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NATIONAL WATER QUALITY NETWORK: ANNUAL COMPILATION OF DATA, OCTOBER 1, 1958-SEPTEMBER 30, 1959

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio

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National Water Quality Network

ANNUAL COMPILATION OF DATA

October 1, 1958 - September 30, 1959

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A Federal, State and local cooperative report on water quality determinations of surface waters at selected locations throughout the United States

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service

Division of Water Supply and Pollution Control — Robert A. Taft Sanitary Engineering Center

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(1959 Edition)

FOREWORD

We are pleased to present this second annual compilation of data from the National Water Quality Network of the Public Health Service. It has been gratifying to note the many uses which the first year's data have served.

We believe the data will continue to gain in significance with the passage of time. Some trends in pollution levels are already discernible. New trends will be defined as more data are accumulated.

The water quality measurement program must be sensitive to problems of the day, to new techniques, new parameters, and other developments. This year the Network has added Strontium-90 and heavy metals analyses to the examinations made during the first year. Other determinations will continue to be added as their usefulness develops.

Again we are deeply grateful to the many local, State, and interstate agencies and industrial concerns who are participating, and whose contribution to this program in a large measure assures its success.

Gordon E. McCallum

Gordon E. McCallum
Chief, Division of Water
Supply and Pollution Control

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NATIONAL WATER QUALITY NETWORK

The Public Health Service program for providing fundamental information on the quality of the Nation's waters stems from the provisions of Section 4(c) of Public Law 660, enacted on July 9, 1956, which states that ". . . the Surgeon General shall, in cooperation with other Federal, State, and local agencies having related responsibilities, collect and disseminate basic data on chemical, physical, and biological water quality insofar as such data or other information relate to water pollution and the prevention and control thereof."

To fulfill this responsibility, the Network provides for collection, interpretation, and dissemination of:

a. Information on changes in water quality at key points in river systems, as such quality may be affected by changes in water use and development.

b. Continuous information on the nature and extent of pollutants affecting water quality.

c. Data which will be useful in the development of comprehensive water resources programs.

d. Data which will assist State, interstate, and other agencies in their water pollution control programs, and in the selection of sites for legitimate water uses.

Approximately 50 sampling locations were established for the initial phase of this program, starting October 1, 1957. To conform with existing practices in other water resources activities, the data year was established to cover the period October 1 to September 30 of the following year.

Each location satisfies one or more of the following criteria:

a. Major waterways used for public water supply, propagation of fish and wildlife, recreational purposes, and agricultural, industrial, and other legitimate uses.

b. Interstate, coastal, and International boundary waters.

c. Waters on which activities of the Federal Government may have an impact.

Final locations of sampling stations are fixed after discussions with local, State, Federal and other agencies having related interests.

Active local participation is an important part of this operation and assures the development of the maximum amount of information of value locally and nationally. The cost of the program is shared by the Federal Government with State and local agencies, through the latter's contributions of laboratory time and sampling manpower. Specifically, the State and local agencies perform most of the conventional chemical analyses and collect samples for the newer, more complex examinations. The Public Health Service, in turn, performs the more complex determinations and makes the results available to the participants. In addition, the consultation, training facilities, and other resources of the Public Health Service are available to the cooperating agencies.

The locations of sampling stations in operation during the data year October 1, 1958 to September 30, 1959, are shown in Figure 1. A description of the stations, with the participating agencies, and other pertinent information, is presented in Table 1.

The following examinations, selected after careful screening, and consultation with the various agencies concerned with water quality management and water resources development, are considered to be of greatest value in meeting the objectives of the program:

a. Radioactivity

   (1) Gross Alpha

   (2) Gross Beta

   (3) Strontium-90

b. Plankton Populations

c. Coliform Organisms

d. Organic Chemicals

e. Biochemical, chemical, and physical measurements, including biochemical oxygen demand (B.O.D.), dissolved oxygen (D.O.), chemical oxygen demand (C.O.D.), chlorine demand, ammonia nitrogen, hydrogen ion concentration (pH), color, turbidity, temperature, alkalinity (or acidity), hardness, chloride, sulfate, and total dissolved solids.

f. Trace elements

Samples for radioactivity, coliform organisms, and the conventional analyses are collected and analyzed weekly. Samples for organic chemicals are examined monthly, while plankton organisms are examined monthly or semi-monthly. Strontium-90 examinations are made on composites of weekly samples accumulated over a three-month period. Trace elements are determined on 2-month composites of weekly samples. New parameters which are developed and found significant will be included as the program continues.

ANALYTICAL METHODS AND RELIABILITY OF DATA

The physical, chemical and biochemical data included in this publication are the result of cooperative efforts of the several agencies listed in Table 1, column 6. In general, most of these measurements were contributed by their laboratories. While it is recognized that modifications to meet local conditions are made by individual laboratories, the methods used in most cases are those published in the 10th Edition, "Standard Methods for the Examination of Water, Sewage, and Industrial Wastes." For uniformity, the chlorine demand test is reported on the basis of the Starch-Iodide titration procedure, and the chemical oxygen demand test is restricted to the use of 0.025 N reagents.

To assure continued reliability in the published data, frequent analysis of reference samples by each cooperating laboratory constitutes an integral part of the over-all program. Periodically a synthetic standard sample is provided to each participant for reference analysis. The reported results are reviewed. Any significant errors are called to the attention of the reporting laboratory and, after the cause of the errors has been determined, the previously submitted data are either corrected or discarded. From these findings, the analyses reported in this compilation are believed to be accurate to $\pm 10\%$ of the reported values.

The analytical methods used by the Public Health Service laboratories are described in the discussion of water quality parameters which follows, and are covered by several of the references listed in the Bibliography.

WATER QUALITY PARAMETERS

In the assessment of water quality all of the legitimate purposes for which raw waters can be used, and which may be affected by pollution, must be considered. These may range from the minimum requirements necessary for navigation to the ultimate in water quality demanded for special industrial processing. Quality needs differ considerably, therefore, according to water use.

For domestic use, water must be free of disease organisms, clear, colorless, taste- and odor-free, and have a relatively low dissolved mineral content. Agricultural water is judged primarily on its mineral content, especially with respect to the ratio between sodium and other cations, and the presence of boron. Water for fish propagation and recreational purposes must be relatively free from domestic and industrial pollution and must be able to sustain an active flora of the smaller aquatic organisms on which fish and wildlife feed. Industrial water quality demands run the gamut from the complete absence of minerals to a requirement of low temperature, the critical factor in water used for cooling. The effects of radioactive materials on these uses have not yet been fully appraised.

The various laboratory examinations made as part of this program are discussed below.

RADIOACTIVITY

Radioactivity, long recognized as a contaminant of water from natural sources, continues to grow in importance and health significance with the development of nuclear energy for both military and peaceful use. Background levels are being ascertained now, ahead of the anticipated major expansion of the nuclear energy industry. Levels of radioactivity must be measured continually as new sources are established.

Gross alpha and beta measurements are made on both suspended and dissolved solids in the raw surface water samples. The total radioactivity in the dissolved solids provides a rough measure of the levels which may be found in a treated water, where water treatment removes substantially all of the suspended matter.

Alpha levels reflect the activity added by uranium and thorium daughters. Beta activity levels generally reflect the variable contamination due to fallout, nuclear energy installations, institutions utilizing radioactive materials, and other man-made sources.

Gross levels are informative in evaluating long-term trends or changes in water quality. By themselves, however, they are of limited value in assessing radiation exposure. Where gross results are consistently over the maximum permissible concentrations for mixed fission products, the identity of the specific radionuclides involved must be established.

Because of the importance of Strontium-90 in the environment, this year's data also includes the contribution of this long-lived radionuclide to the dissolved activity reported. The levels found were all well below the maximum permissible concentration as defined in Handbook 69; see Bibliography, Reference No. 18.

PLANKTON POPULATIONS

Many aquatic organisms are sensitive to the various substances which pollute water. Some of these develop only in relatively clean water, while others may be stimulated to live and multiply in the presence of certain types of pollutants, especially household sewage and certain types of industrial wastes. A very large population of algae is sometimes induced to develop by mineralized products of sewage decomposition when nitrates and phosphates are made available as nutrients.

The plankton data give the numbers, kinds, and times of occurrence of algae and other aquatic microorganisms in the water. This information is useful in determining the pollutional status of any water supply source, and in indicating the relative numbers of organisms which may cause problems in the treatment and use of water.

Most of these organisms interfere with water use through shortening of filter runs in treatment plants, and by causing tastes, odors, coloration, and various physical and chemical changes. By reference to the plankton counts, made regularly and frequently, it is possible to note the types and numbers of interference organisms and to determine some of the procedures that will be needed in treating the water for use.

In the stream or lake itself, many planktonic organisms are known to improve water quality by providing food and oxygen for desirable aquatic life and by aiding in the recovery of polluted water. Others may cause detrimental conditions through formation of unsightly blooms and mats, development of slime growths, and the killing of fish and other animals through the release of toxic products or other means.

Domestic and industrial wastes influence the kinds and numbers of organisms. Hence, plankton may reflect changes in water quality resulting from changes in the wastes containing dissolved substances.

Plankton counts will be particularly useful in water quality evaluation when they have been recorded over a period of time to indicate variations in kinds and numbers of organisms from month to month and from year to year.

Reliability of Data

The counting procedures used are aimed at bringing about maximum accuracy in the reported data. The procedures

involve the simplification and standardization of methods of enumeration of each type of the many organisms observed. The actual volume of sample which is used for the analysis is relatively large, and this tends to produce greater accuracy. Organisms are identified to genus, genus group, or species.

Each sample consists of three liters of raw water containing a preservative and, in addition, 25 ml. of raw water without preservative. Analysis for the nannoplankton is made by counting a 100 mm strip on the Sedgewick-Rafter slide, using a magnification of 200. From the live sample only kinds, not numbers, of organisms are reported.

The clump counting method is employed on the preserved sample in which each solitary cell or colony of cells is counted as one. In order to improve reliability of data, plankton sampling has been increased from a monthly basis to a semi-monthly basis for 18 of the stations.

Because formalin as a preservative has a detrimental effect on some of the delicate organisms its use has been discontinued. Sodium ethyl mercuric thiosalicylate (MERTHIOLATE) is now being used as a preservative.

No satisfactory method is at present available for separating the plankton organisms from the silt particles that are responsible for much of the turbidity in water and which also interfere with observation of plankton under the microscope. Accurate plankton analysis of water from turbid streams is therefore carried out with considerable difficulty.

Unusual Observations

In addition to the true plankton the benthic, or bottom organisms are often present in the water, especially after periods of rainfall when the latter are washed in from their normal habitats. Examples include the stalked diatoms Gomphonema, Achnanthes and Cymbella; some motile forms of Navicula; and attached filamentous algae such as Stigeoclonium, Oedogonium and Ulothrix. Rain water also carries into the stream various fragments of tissues from land plants and animals. Pollen grains, mold spores, and plant hairs which drop into the water from the atmosphere are also frequently encountered.

Large populations of fungal hyphae and sheathed bacteria frequently appear. These sometimes follow blooms of planktonic algae or the presence of dispersed woody cells from terrestrial plants.

Metal and crystal particles, not associated with natural waters but dispersed in raw water samples, have been found in a few samples during the examination for plankton. These particles have been traced for considerable distances through examination of downstream samples.

ORGANIC CHEMICALS

The Nation's water resources each year receive increasing quantities of organic contaminants. Since 1940 the chemical industry, particularly in the manufacture of synthetic and petro-chemicals, has experienced an enormous expansion that shows every sign of continuing. Each year millions of pounds of synthetic detergents, insecticides, herbicides, and similar domestic products find their way into our streams from household sewers, industrial waste discharges, and land runoff.

Effective and economical treatment methods for most of the complex organic materials remain to be developed. Even where treatment exists, residues remain in sufficient quantity to cause water damage. These stable residues persist through sewage treatment, biological and chemical action of the stream, and water treatment processes, and finally reach the consumer in drinking water.

The presence of some of these materials, even at concentrations less than 1 part per million, may cause impairment of water quality, most noticeably in production of tastes and odors. Fishflesh tainting, also quickly noticed by the consumer, is another damage. Effects on water treatment, many of which are ill-defined at present, and impairment of water quality for industrial uses are being reported with increasing frequency. Essentially nothing is known of the possible immediate or long-term effects of these materials on human health. It is important that such information be sought.

The usual sanitary analyses are not effective in measuring these newer organic contaminants. Yet it is essential

to know something of their concentrations and character. The concentration method known as the "Carbon Filter Technique", developed by the Public Health Service, permits the concentration of these organic compounds from a large volume of water. Elutriation of the adsorbed materials with organic solvents, followed by chemical separation and testing, provides useful information concerning organic pollution and for assaying river systems for these substances.

It is difficult to say what part of the "total organic" content is measured, since there is no accurate method for measuring the low concentrations of organics. Work with known solutions has indicated that adsorption may be close to 100% and that desorption under the conditions of the test may range from 50% to 90%. The sampling and analytical techniques are reproducible with ± 10% when applied to replicate samples. Hence, relative pollutional loads on streams can be compared even though the absolute total quantity may not be accurately known.

Following continuous filtration of about 5000 gallons of water over a ten to fourteen day period, material on the carbon filter is extracted with two solvents, chloroform and alcohol.

The amounts of the chloroform and alcohol extracts are weighed, and the concentration of these materials in the water tested is then computed. Results are recorded in parts per billion (micrograms per liter). Clean waters may contain 20 to 50 ppb. of chloroform extractables and 50 to 100 ppb. of alcohol extractables. Polluted waters contain several times these concentrations.

Chloroform Extracts

The organic residue recovered from the carbon filter by chloroform is very complex. It is desirable to separate the crude extract into certain broad chemical classes, and this can be done on the basis of solubility differences. The various classes or groups and their significance are discussed briefly below.

Ether Insolubles

This group is usually a brown, humus-like powder, apparently composed to a large extent of carboxylic acids, ketones, and alcohols of complicated structure. Origin of the group, which is an indicator of "old" pollution, is believed to be partially oxidized sewage and industrial wastes. For example, the Ohio River at Cincinnati has been exposed to much industrial and sewage pollution, and hence large amounts of ether insoluble materials are found. Streams with little or no pollution history have little or no ether insolubles. Chloroform extracts contain from 0 to 30% of ether insoluble material.

Water Solubles

These substances are largely acidic and undistillable at moderate temperatures, but their solubility in ether indicates that the molecules are smaller and probably simpler than the ether-insolubles. On the other hand, their water solubility practically requires the presence of several functional groups, such as hydroxy-acid, keto-acid, and keto-alcohol. Such compounds probably originate from partial oxidation of hydrocarbons or they may be natural substances. These materials usually make up 10% to 20% of the total extract. They have very little odor.

Weak Acids

This group is characterized by being removed from ether solution with sodium hydroxide but not with sodium bicarbonate. Phenols are the best known weak acids, and if present in the water, appear in this group. Other weakly acidic compounds include certain enols, imides, sulfonamides, and some sulfur compounds. This group of materials also occurs in nature. The weak acids commonly constitute 5% to 20% of the chloroform extract, and they are odorous.

Strong Acids

These acids are usually the carboxylic acids such as acetic, benzoic, salicylic, or butyric. Although classified as strong in reference to carbonic acid, they are actually weak when compared with a mineral acid, such as sulfuric. Many of the compounds are used industrially, but may also be produced by natural processes, such as fermentation. This fraction makes up from 5% to 20% of the total. The significance of the strong acids can be interpreted only in the light of stream pollution conditions. Some of the materials are highly odorous.

Bases

These compounds are organic amines. Such materials as aniline and pyridine are amines of commerce. Lower amines may occur as a result of decomposition. Generally, only 1% or 2% of the total extract is made up of the bases. Although odorous, the low concentrations found are not likely to cause objectionable conditions. However, in the case of specific amine-containing wastes the compounds can be of considerable significance.

Neutrals

This group frequently constitutes the major portion of the chloroform extract. Neither basic nor acidic, the materials are less reactive and tend to persist in streams longer than many other types. Hydrocarbons, aldehydes, ketones, esters, and ethers are examples of neutral materials. The group lends itself to further fractionation by means of chromatographic separation into aliphatic, aromatic, and oxygenated sub-groups:

Aliphatics: This portion represents petroleum type hydrocarbons in a considerable state of purity, and is usually made up of mineral oil type of material. The percentage of aliphatics present yields important information about the possible source of pollution, since petroleum is the most likely source.

Aromatics: These are principally the coal tar hydrocarbons such as benzene, toluene, and a host of others, and their presence in any significant amount is a reliable indication of industrial pollution. Further, the materials can frequently be identified by infrared spectrophotometry. Some aromatic compounds which have been found in our rivers - and in our drinking water - include DDT, aldrin, phenyl ether, ortho-nitrochlorobenzene, pyridine, phenol, and others. The materials are highly odorous, and may also be toxic. Their appearance in any quantity as pollutants should receive careful evaluation.

Oxygenated Compounds (Oxys): These are the neutral compounds containing oxygen, such as aldehydes, ketones, and esters. They may have originated by direct discharge or may represent oxidation products from both natural and industrial materials. They help to indicate the "age" of the pollution, since pollution exposed to oxidation forces for a long time would be expected to contain large amounts of oxys. The oxy materials are odorous.

Losses

Manipulative losses are inherent in this type of separation. If the loss exceeds 10% to 15%, volatile components may have been lost from the sample. Such volatiles may have significance as pollutants.

Alcohol Extracts

The alcohol extractable fraction generally consists of more polar materials than the chloroform extracts, and contains synthetic detergents, proteins, carbohydrates, and miscellaneous natural substances. These classes of substances are not quantitatively recovered by the alcohol. For example, the alcohol recovers only 20 to 30 percent of the synthetic detergents present. On waters of mixed industrial and domestic pollution, the chloroform and alcohol extractables may be about equal. On some streams where the industrial pollution is rather low and much natural pollution and sewage is present, the alcohol extractables may exceed the chloroform by a factor of 4 to 6.

The alcohol extract is usually water-soluble but not ether-soluble. Very little further chemical separation is practical on the material. Tests revealed that synthetic detergents make up 1% to 12% of the alcohol fraction.

Other Tests

Infrared spectra are routinely prepared on the total chloroform and alcohol extracts. In addition, spectra are prepared on the most significant groups such as the neutral, aliphatic, aromatic, and oxygenated. These spectra reveal something of the chemical structure of the materials, indicate differences, and in certain instances provide a definite identification. In the case of the alcohol extracts, the infrared will indicate the presence of synthetic detergents if the materials constitute a significant portion.

Specific Identifications

During the course of the year, numerous specific organic chemicals have been discovered in water samples. The chemical, o-nitrochlorobenzene was found to persist in the Mississippi River for a distance of 1000 miles. Aldrin, a chlorinated insecticide was found in the Snake River. Various benzene derivatives and oil pollutants have been detected. See Bibliography, Reference 8.

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL EXAMINATIONS

The various biochemical, chemical, and physical examinations generally performed by the participating laboratories are discussed below.

Ammonia Nitrogen and Chlorine Demand

The cost of water treatment for domestic use is affected by the consumption of chlorine, with ammonia nitrogen being responsible for a large portion of the chlorine demand. The greater this demand the more expensive the treatment. The ammonia may be due to unstabilized domestic pollution, to industrial waste discharges, or to both. The presence of measurable quantities of nitrogen compounds, not necessarily ammonia, is also an indication of the fertility of the stream toward both macro- and microbiological forms.

Color

Color in domestic water supplies is undesirable. Its removal in the water treatment process, whether it be from natural or industrial sources, may require large doses of chemicals and be expensive.

Dissolved Oxygen, Biochemical and Chemical Oxygen Demands

Biochemical processes, in which aquatic organisms attack and stabilize the organic matter present, require dissolved oxygen. If unstable oxidizable organic matter is present in excess, the organisms will multiply rapidly, consuming the oxygen present in the water, and bring about a foul, septic stream condition. The dissolved oxygen level thus serves to indicate the biochemical activity of the stream. High activity, resulting in low dissolved oxygen levels, will drive out game fish in favor of scavengers. Very low or zero oxygen levels will kill all fish and aquatic organisms dependent on dissolved oxygen for life. Temperature and reaeration rates also affect dissolved oxygen levels.

The 5-day biochemical oxygen demand (B.O.D.) indicates the degree of unstabilized organic pollution from either domestic or industrial sources, to which the stream is being subjected. A significant demand will affect the fish and macroorganism population, and waters carrying a high B.O.D. seldom contain game fish. On the other hand, game fish will thrive in streams in which the oxygen demand has been stabilized, as this condition is usually favorable for the growth of organisms on which fish feed.

The chemical oxygen demand analysis serves to support the findings of the biochemical oxygen demand test. It too may indicate to what extent the waste load of the stream has been stabilized, or it may indicate the presence of organic and inorganic pollution which is not readily oxidized by biological processes. Because the chemical oxygen demand can be determined quickly in comparison to the biochemical oxygen demand, the establishment of a correlation between the two parameters serves to reduce the number of the latter determinations required. The chemical demand results are almost always higher than the biochemical demand.

Temperature

Temperature is important to both conservation and industry. A few degrees elevation in temperature due to cooling water discharges may seriously limit the capacity of a stream to support fish life. Also, high water temperatures increase the cost of cooling water for industrial operations. Cooling tower capacities and other equipment for handling cooling water must be engineered to the temperature levels normally encountered.

Mineral Constituents

These determinations include alkalinity, hydrogen-ion concentration (pH), hardness, chlorides, sulfates, and total dissolved solids. The pH indicates whether water is acidic or alkaline, corrosive or passive. Alkalinity is a measure of the neutralization reserve present, or the extent to which the water can resist a change from an alkaline to an acid condition upon addition of acidic chemicals. This information is important to the water treatment plant operator and to many other water users.

Hardness is not only a measure of the soap consuming property, but is also of importance in the treatment of boiler waters, where removal of hardness is one of the most important functions. Chloride, sulfate, and total dissolved solids add further information on the gross dissolved mineral content carried by the stream. These are of great importance when considering the taste or palatability of water. They are also important when the water is being demineralized for specific industrial processes, since the cost of demineralization is a direct function of the dissolved solids content of the water. In addition, waters of high saline content are less desirable and may at times even be unfit for municipal, irrigation, and other uses.

Turbidity

Turbidity of water is due to the suspension of clay, silt, finely divided organic matter, microscopic organisms, and other similar materials. Its presence is of particular importance in water treatment processes and in the propagation of fish and other aquatic life.

Coliform Organisms

Information regarding fecal pollution is essential to water quality measurements. Data on coliforms help to point up the trends in the effectiveness of control of domestic waste discharges.

The delayed incubation membrane filter technique is used for the coliform examinations, instead of the fermentation tube (MPN) method. The latter method would necessitate transportation of water samples to the laboratory for examination, resulting in an elapsed time between collection and examination which would change the microbial content of the samples significantly. Also, some of the many other bacteria present in raw water might overgrow or otherwise inhibit the demonstration of the coliforms. In the delayed incubation membrane filter procedure, the bacterial organisms are removed from the fluid sample immediately and sent to the laboratory on a preservative medium. Thus, the resulting coliform count approaches very closely the actual number of coliform bacteria present in the water sample at the time of collection.

Trace Elements and other Determinations

This year's data include the examination of composite samples of raw water from each station for the dissolved constituents likely to be present in trace quantities or whose significance does not warrant more frequent analysis. Twice during the year, two-month composites of the weekly samples were prepared and subjected to analysis. Examinations covered those elements which were considered to have possible physiological or toxicological significance to biological life and for which a reliable method was available. As new methods are developed other determinations will be included. The ultimate goal of this phase of the program will be to provide background data on all elements which may be found in water and which can be detected by practical laboratory procedures.

Two series of samples are reported in this compilation. Although the first series does not exactly correspond with the beginning of the present water year, its collection was begun earlier in order to include low water conditions. Subsequent sampling and compositing periods will cover other ranges of stream flows.

In carrying out the spectrographic examination, the sample was first passed through a membrane filter to remove all suspended matter. An aliquot of the sample was then taken, acidified with hydrochloric acid, and evaporated to a concentration containing 2 mg. of solids in 0.1 ml of sample (20,000 ppm). A 0.05 ml portion of the concentrated sample was then placed on the electrode and arced to completion. Sample exposure was made through a stepped sector disc. The exposed plate was compared to a standard plate prepared under identical conditions.

Waters with low dissolved solids content can be concentrated to a greater degree than those having a high dissolved solids content, thus accounting for the apparently variable sensitivity shown in the tabulation. Values followed by an asterisk (*) show the limits of sensitivity at which the test was performed, and indicate that the ion being measured was not detected at that level. The analyses done by wet or flame methods are quantitative and have been rounded off to the significant figures reported. The spectrographic analyses are semiquantitative and represent an approximation of the concentration present. All of the reported values by this method represent the quantity of the particular metal in solution at the time of examination. Hence, such values do not consider what changes might have transpired in the sample during compositing and storage. Any interpretation based on these data should take this into account. It is well recognized that trace concentrations of many ions are subject to precipitation and adsorption on container surfaces during storage. This would particularly apply to iron and manganese, which are especially prone to oxidation and precipitation during storage. Suspended matter was not analysed.

The colorimetric procedure, using carminic acid as detailed in the 10th Edition of "Standard Methods", was used for determining boron. Fluoride examinations were made by the Eriochrome Cyanine R method, as given in Analytical Chemistry, 26:1161 (1954). The Cheng Method, as given in Analytical Chemistry, 28:1738 (1956), was used for the Selenium Analyses.

STREAM FLOWS

Stream flow records play an important part in utilizing water quality data such as covered in this report. However, stream flow records have not been included in this compilation because they are readily available from the United States Geological Survey, the United States Corps of Engineers, and other agencies.

The source of stream flow records is shown in Table 1, columns 7, 8, and 9. For each sampling point there is shown the location of the nearest stream gaging station, the operating agency, and the period of record.

PHS National Water Quality Network

SAMPLING STATIONS

1958-1959

Figure 1.

TABLE I - SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
ARKANSAS RIVER								
at Pendleton Ferry, Ark.	45	Ferry Landing, South Shore	Arkansas State Water Pollution Control Commission	Arkansas State Water Pollution Control Commission	Arkansas State Board of Health	Little Rock, Arkansas	U.S. Geological Survey	1927 to date
at Ft. Smith, Arkansas	362	U.S. Highway No. 64 Bridge	Arkansas State Water Pollution Control Commission	Arkansas State Water Pollution Control Commission	Arkansas State Board of Health	Van Buren, Arkansas	U.S. Geological Survey	1927 to date
at Ponca City, Oklahoma	646	Old U.S. Highway No. 60 Bridge (formerly at Osage Station, Okla. Gas & Electric Co.)	Ponca City Water Dept.	Continental Oil Co. Ponca City Water Dept. U.S. Public Health Service	Oklahoma State Dept. of Health	Ralston, Oklahoma	U.S. Geological Survey	1938 to date
at Coolidge, Kansas	1,099	U.S. Geological Survey Stream Gaging Station	U.S. Geological Survey	U.S. Public Health Service	Kansas State Board of Health Colorado State Dept. of Health	Coolidge, Kansas	U.S. Geological Survey	1903, 1921 1950 to date
COLORADO RIVER								
at Yuma, Arizona	91	Arizona Water Co. Intake	Arizona Water Co.	Arizona Water Co.	Arizona State Dept. of Health	Yuma, Arizona	U.S. Geological Survey	1878 to date
at Parker Dam, Arizona-California	258	Aqueduct Intake, Metropolitan Water District of Southern California	Metropolitan Water District of Southern California	Metropolitan Water District of Southern California U.S. Public Health Service	California State Dept. of Health California State Water Pollution Control Board	Below Parker Dam	U.S. Geological Survey	1934 to date
at Hoover Dam, Arizona-Nevada	413	Boulder City (Nevada) Water Plant Intake	Boulder City Water Dept.	Boulder City Water Dept.	Nevada State Dept. of Public Health U.S. Bureau of Reclamation	Hoover Dam	U.S. Geological Survey U.S. Bureau of Reclamation	1935 to date
near Loma, Colorado	1,150	Pumping Station at J. R. Smith Farm	Mesa County (Colorado) Dept. of Public Health	Grand Junction (Colorado) Water Dept.	Colorado State Dept. of Public Health	Near Colorado-Utah State Line	U.S. Geological Survey	1951 to date
COLUMBIA RIVER								
near Clatskanie, Oregon	53	Beaver Army Terminal, U.S. Army Transp., Supply & Maintenance Command	U.S. Army U.S. Public Health Service	Oregon State Sanitary Auth. U.S. Public Health Service		Bonneville Dam	U.S. Army, Corps of Engineers	1925 to date
at Bonneville Dam, Washington-Oregon	145	Bonneville Dam Power House	U.S. Army, Corps of Engineers	Crown Zellerbach Corp.	Oregon State Sanitary Auth. Washington State Dept. of Health Washington State Pollution Control Commission	Bonneville Dam	U.S. Army, Corps of Engineers	1925 to date
at Pasco, Washington	327	Municipal Water Plant Intake	Pasco Water Dept.	Pasco Water Dept.	Washington State Dept. of Health Washington State Pollution Control Commission	Trinidad, Washington	U.S. Geological Survey	1913 to date
at Wenatchee, Washington	466	Plant Intake, Aluminum Co. of America	Aluminum Co. of America Chelan-Douglas County Health Dept.	Aluminum Co. of America	Washington State Dept. of Health Washington State Pollution Control Commission	Trinidad, Washington	U.S. Geological Survey	1913 to date
CONNECTICUT RIVER								
above Northfield, Mass.	138	Central Vermont R.R. Bridge	Massachusetts State Dept. of Public Health	Massachusetts State Dept. of Public Health (Amherst Laboratory)		Vernon, Vermont	U.S. Geological Survey	1936, 1938 1944 to date

TABLE I - SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
DELAWARE RIVER								
at Philadelphia, Pa.	110	Municipal Water Plant Intake (Torresdale Filters)	Philadelphia Water Dept.	Philadelphia Water Dept.	Pennsylvania State Dept. of Health	Trenton, New Jersey	U.S.Geological Survey	1913 to date
at Easton, Pa.	185	Municipal Water Plant Intake	Easton Water Dept.	Easton Water Dept.	Pennsylvania State Dept. of Health	Belvidere, New Jersey	U.S. Geological Survey	1922 to date
GREAT LAKES								
Lake Erie at Buffalo, N.Y.	-	Municipal Water Plant Intake	Buffalo Water Dept. Erie County (N.Y.) Health Dept.	Erie County (N.Y.) Health Department	New York State Dept. of Health	Cleveland, Ohio (Water Stages only)	U.S. Lake Survey	1900 to date
Detroit River at Detroit, Michigan	29	Municipal Water Plant Intake (Water Works Park)	Detroit Board of Water Commissioners	Detroit Board of Water Commissioners	Michigan State Dept. of Health Michigan State Water Resources Commission	Detroit, Michigan	U.S. Lake Survey	1936 to date
Lake Superior at Duluth, Minnesota	-	Municipal Water Plant Intake (Lakewood Pumping Station)	Duluth Water, Gas & Sewage Treatment Dept.	Duluth Water, Gas & Sewage Treatment Dept.	Minnesota State Dept. of Health	Marquette, Michigan (Water Stages only)	U.S. Lake Survey	1900 to date
Lake Michigan at Gary, Indiana	-	Gary-Hobart Water Corp. Intake	Gary-Hobart Water Corp.	Gary-Hobart Water Corp.	Indiana State Board of Health	Milwaukee, Wisconsin (Water stages only)	U.S. Lake Survey	1905 to date
HUDSON RIVER								
below Poughkeepsie, N.Y.	70 (est)	International Business Machines Corp. Plant Water Intake	International Business Machines Corp.	International Business Machines Corp. New York State Dept. of Health	New York State Dept. of Health	Green Island, New York	U.S. Geological Survey	1946 to date
MERRIMACK RIVER								
at Lowell, Massachusetts	42	Old Municipal Water Plant Intake	Lowell Water Dept.	Massachusetts State Dept. of Public Health (Lawrence Experiment Station)		Lowell, Massachusetts	U.S. Geological Survey	1923 to date
MISSISSIPPI RIVER								
at New Orleans, La.	105	Municipal Water Plant Intake	New Orleans Sewage and Water Board	Louisiana State Dept. of Health	Louisiana State Dept. of Health	Near New Orleans, La.	U.S. Geological Survey	1928 to date
at Delta, Louisiana (formerly at Vicksburg, Mississippi)	433	River Landing, Delta Casting Yard, U.S. Corps of Engineers	Mississippi State Board of Health	Mississippi State Board of Health	Louisiana State Dept. of Health	Near Vicksburg, Miss.	U.S. Geological Survey	1931 to date
at West Memphis, Ark.	726	Barge Terminal, Oklahoma-Mississippi River Products Lines, Inc.	Memphis (Tennessee) Light, Gas & Water Division	Memphis (Tennessee) Light, Gas & Water Division	Arkansas State Board of Health Tennessee State Dept. of Health	Memphis, Tennessee	U.S. Geological Survey	1934 to date
at Cape Girardeau, Mo.	1,020	Missouri Utilities Co. Water Intake	Missouri Utilities Co.	Missouri Utilities Co.	Missouri State Dept. of Public Health & Welfare	Thebes, Illinois	U.S. Geological Survey	1933-1938, 1939 to date
at East St. Louis, Ill.	1,166	East St. Louis Water Co. Intake	East St. Louis Water Co.	East St. Louis Water Co.	Illinois State Dept. of Public Health	Alton, Illinois	U.S. Geological Survey	1933-1938, 1939 to date
at Burlington, Iowa	1,369	Municipal Water Plant Intake	Burlington Water Dept.	Burlington Water Dept.	Iowa State Dept. of Health	Keokuk, Iowa	U.S. Geological Survey	1878 to date
at Dubuque, Iowa	1,549	U.S. Army, Corps of Engineers Lock & Dam #11	Dubuque Water Dept.	Dubuque Water Dept.	Iowa State Dept. of Health	McGregor, Iowa	U.S. Geological Survey	1936 to date

TABLE I - SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
MISSISSIPPI RIVER (cont'd) above Red Wing, Minn.	1,757	U.S. Army, Corps of Engineers Lock & Dam #3	U.S. Army, Corps of Engineers Minneapolis-St. Paul Sanitary District	Minneapolis-St. Paul Sanitary District	Minnesota State Dept. of Health	Prescott, Wisconsin	U.S. Geological Survey	1928 to date
MISSOURI RIVER at St. Louis, Missouri	36	Water Plant Intake, St. Louis County Water Co. and Howard Bend Plant, City of St. Louis	St. Louis County Water Co. St. Louis Water Dept.	St. Louis County Water Co. St. Louis Water Dept.	Missouri State Dept. of Public Health & Welfare	Hermann, Missouri	U.S. Geological Survey	1897 to date
at Kansas City, Kansas	385	Municipal Water Plant Intake	Kansas City (Kansas) Board of Public Utilities	Kansas City (Kansas) Board of Public Utilities	Kansas State Board of Health	Kansas City, Kansas	U.S. Geological Survey	1897 to date
at St. Joseph, Missouri	471	St. Joseph Water Co. Intake	St. Joseph Water Co.	St. Joseph Water Co.	Missouri State Dept. of Public Health & Welfare	St. Joseph, Missouri	U.S. Geological Survey	1927 to date
at Omaha, Nebraska	642	Metropolitan Utilities Dist. Water Plant Intake	Metropolitan Utilities District	Metropolitan Utilities District	Nebraska State Dept. of Health	Omaha, Nebraska	U.S. Geological Survey	1928 to date
at Yankton, South Dakota	811	Municipal Water Plant Intake	Yankton Water Dept.	Yankton Water Dept.	South Dakota State Board of Health	Yankton, South Dakota	U.S. Geological Survey	1930 to date
at Bismarck, North Dakota	1,377	Municipal Water Plant Intake	Bismarck Water Dept.	Bismarck Water Dept. North Dakota State Dept. of Health		Bismarck, North Dakota	U.S. Geological Survey	1927 to date
at Williston, North Dakota	1,646	Municipal Water Plant Intake	Williston Water Dept.	Williston Water Dept.	North Dakota State Dept. of Health	Williston, North Dakota	U.S. Geological Survey	1928 to date
OHIO RIVER at Cairo, Illinois	3	Cairo Water Co. Intake	Cairo Water Co.	Cairo Water Co.	Illinois State Dept. of Public Health	Metropolis, Illinois	U.S. Geological Survey	1934 to date
at Evansville, Indiana	190	Municipal Water Plant Intake	Evansville Water Dept.	Evansville Water Dept.	Indiana State Board of Health	Evansville, Indiana	U.S. Geological Survey	1936 to date
at Cincinnati, Ohio	518	Municipal Water Plant Intake	Cincinnati Water Dept.	Cincinnati Water Dept.	Ohio State Dept. of Health	Cincinnati, Ohio	U.S. Geological Survey	1936 to date
at Huntington, West Virginia	677	Huntington Water Co. Intake	Huntington Water Corp.	Huntington Water Corp.	West Virginia State Dept. of Health	Huntington, West Virginia	U.S. Geological Survey	1934 to date
at East Liverpool, Ohio	961	Municipal Water Plant Intake	East Liverpool Water Dept.	East Liverpool Water Dept.	Ohio State Dept. of Health	Sewickley, Pennsylvania	U.S. Geological Survey	1933 to date
POTOMAC RIVER at Great Falls, Maryland	126	Washington, D.C. Water Plant Intake	U.S. Army, Corps of Engineers	U.S. Army, Corps of Engineers	Maryland State Dept. of Health	Near Washington, D.C.	U.S. Geological Survey	1930 to date
at Williamsport, Maryland	212	Hagerstown Municipal Water Plant Intake	Hagerstown Water Dept.	Hagerstown Water Dept.	Maryland State Dept. of Health	Shepherdstown, West Virginia	U.S. Geological Survey	1928 to date
RED RIVER at Alexandria, La.	122	Pumping Station on Levee, near City Wells	Alexandria Water Dept.	Louisiana State Dept. of Health (New Orleans Laboratory) Louisiana State Dept. of Health (Alexandria Laboratory)	Louisiana State Dept. of Health	Alexandria, Louisiana	Mississippi River Commission U.S. Geological Survey	1928-1938 1938 to date

TABLE I - SAMPLING STATIONS, COOPERATING AGENCIES, AND STREAM FLOW RECORDS

STATION	MILES ABOVE MOUTH	DESCRIPTION	SAMPLED BY	FIELD ANALYSES BY	OTHER COOPERATING AGENCIES	STREAM FLOW RECORDS		
						NEAREST GAGING STATION	OPERATED BY	PERIOD OF RECORD
RED RIVER (Cont'd)								
at Index, Arkansas	485	U.S. Highway No. 71 Bridge	Texarkana Water & Sewer Systems Arkansas State Water Pollution Control Commission	Arkansas State Water Pollution Control Commission	Arkansas State Board of Health	Index, Arkansas	U.S. Geological Survey	1936 to date
at Denison, Texas	726	Denison Dam Power House	U.S. Army, Corps of Engineers	Denison Water Dept.	Texas State Dept. of Health	Near Colbert, Oklahoma	U.S. Geological Survey	1923 to date
RIO GRANDE								
at Laredo, Texas	356	Municipal Water Plant Intake	Laredo Water Dept.	Laredo Water Dept.	Texas State Dept. of Health	Near Nuevo Laredo, Mexico	Mexican Section, International Boundary & Water Commission	1923 to date
at El Paso, Texas	1,234	Municipal Water Plant Intake	El Paso Public Service Board	El Paso Public Service Board	Texas State Dept. of Health	Below Cabello Dam, New Mexico	U.S. Section, International Boundary & Water Commission, and U.S. Geological Survey	1889 to date
SAVANNAH RIVER								
at Fort Wentworth, Georgia	22	State Highway No. 17 Bridge	Union Bag-Camp Paper Co. U.S. Army, Corps of Engineers Chatham County Health Dept.	Union Bag-Camp Paper Co. U.S. Public Health Service	Georgia State Dept. of Public Health	Clyo, Georgia	U.S. Geological Survey	1930-1933, 1937 to date
at North Augusta, South Carolina	217	Municipal Water Plant Intake	North Augusta Water Dept.	North Augusta Water Dept.	South Carolina State Board of Health	Augusta, Georgia	U.S. Geological Survey	1898-1906 1927-1931 1938 to date
SNAKE RIVER								
at Wawawai, Washington	111 (est)	Pumping Station at I. E. Wilson Farm	Washington State College	Washington State College	Washington State Dept. of Health	Near Clarkston, Washington	U.S. Geological Survey	1915 to date
at Weiser, Idaho	354	Municipal Water Plant Intake	Weiser Water Dept.	Weiser Water Dept.	Idaho State Board of Health	Weiser, Idaho	U.S. Geological Survey	1910 to date
TENNESSEE RIVER								
at Chattanooga, Tennessee	467 (est)	City Water Company Intake	City Water Company of Chattanooga	City Water Company of Chattanooga Tennessee Valley Authority	Tennessee State Dept. of Public Health	Chattanooga, Tennessee	U.S. Geological Survey	1874-1913, 1915-1930 1936 to date
YELLOWSTONE RIVER								
at Sidney, Montana	30	Intake-Lewis & Clark Station Montana-Dakota Utilities Co.	Montana-Dakota Utilities Co.	Montana-Dakota Utilities Company	Montana State Board of Health	Near Sidney, Montana	U.S. Geological Survey	1934 to date

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EXPLANATION OF DATA

RADIOACTIVITY DETERMINATIONS

A dash in the column for the count signifies that that particular measure was not done.

PLANKTON POPULATION

Blanks in any column are to be read as meaning that none of the organisms for that column were found. The column heading "Dominant Organisms" should be interpreted in connection with the table below as follows: 5-946 should be interpreted that the fifth organism of the first column, Chlorella, was named. None of the organisms in the second column of the table was named. The 9 is the ninth item in the third column of the table - Stephanodiscus, 4 is the fourth item in the fourth column - Diatoma, and the 6 is the sixth item in the fifth column - Fragilaria. Five dashes in the column of "Dominant Organisms" mean that none was named for that report.

PLANKTON--DOMINANT ORGANISMS

	I	II	III	IV	V
1.	Additional Filamentous Green Alga	Additional Green Flagellate	Actinastrum	Golenkinia	Additional Pigmented Flagellate (other than green)
2.	Anabaena	Aphanizomenon	Additional Desmid	Additional Coccoid Green Alga	Additional Coccoid Blue-Green Alga
3.	Asterionella	Cryptomonas	Anacystis	Chlamydomonas	Additional Diatoms
4.	Cyclotella	Cyclotella	Ciliates	Diatoma	Additional Filamentous Blue-Green Alga
5.	Chlorella	Gomphonema	Coelastrum	Cymbella	Ankistrodesmus
6.	Cosmarium	Oscillatoria	Dinobryon	Nitzschia	Fragilaria
7.	Synedra	Peridinium	Navicula	Synedra	Melosira
8.	Euglena	Scenedesmus	Oocystis	Tabellaria	Micractinium
9.	Phormidium	Unpigmented Flagellate	Stephanodiscus	Tribonema	Sarcodina

ORGANIC CHEMICALS

The data entered relating to extractables are in micrograms per liter or parts per billion. Zeros when reported have been entered. A dash indicates that the respective results were not reported.

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

The data entered in each column are as reported. A dash signifies that the particular test was not performed. Zeros when meaningful have been entered. An asterisk preceding a coliform count should be read as "less than" the number following it.

TRACE ELEMENTS AND OTHER DETERMINATIONS

For a discussion of the sensitivity limits of the determinations performed with spectrographic methods, see page 21.

RADIOACTIVITY DETERMINATIONS

Gross radioactivity levels are informative in evaluating long-term trends or changes in water quality. By themselves, however, they are of limited value in assessing radiation exposure. Where gross results are consistently over the maximum permissible concentrations for mixed fission products, the identity of the specific radionuclides involved must be established. Because of the importance of Strontium-90 in the environment, this year's data also includes the contribution of this long-lived radionuclide to the dissolved activity reported. The levels found were all well below the maximum permissible concentration as defined in Handbook 69; see Bibliography Reference 18.

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WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI

SUB BASIN ARKANSAS RIVER-VAN BUREN TO MOUTH

STATION LOCATION ARKANSAS RIVER M44.5 AT PENDLETON FERRY, ARKANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
3	30	59	4	10	-	-	-	123	57	180						
4	6	59	4	17	3	0	3	179	86	265						
4	13	59	4	24	-	-	-	91	43	134						
4	20	59	4	30	-	-	-	19	15	34						
4	27	59	5	8	-	-	-	172	58	230						
5	4	59	5	18	-	-	-	70	40	110						
5	11	59	5	22	1	0	1	58	72	130						
5	18	59	5	29	-	-	-	233	643	876						
5	25	59	6	8	-	-	-	382	293	675						
6	1	59	6	12	-	-	-	155	132	287						
6	8	59	6	16	18	6	24	147	33	180						
6	15	59	7	2	-	-	-	73	52	125						
6	22	59	7	7	-	-	-	90	73	163						
7	6	59	7	15	-	-	-	592	46	638						
7	13	59	7	28	0	0	0	0	3	3						
7	20	59	8	4	-	-	-	43	0	43						
7	27	59	8	10	-	-	-	47	42	89						
8	3	59	9	25	-	-	-	0	8	8						
8	10	59	8	20	7	0	7	64	7	71						
8	17	59	8	31	-	-	-	0	10	10						
9	1	59	9	11	-	-	-	17	13	30						
9	8	59	9	21	5	1	6	14	0	14						
9	14	59	9	28	-	-	-	30	0	30						

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WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: ARKANSAS
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: ARKANSAS RIVER, TULSA TO VAN BUREN
STATION LOCATION: ARKANSAS RIVER NEAR FORT SMITH, ARKANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	31	59	9	11	-	-	-	57	26	83							
9	28	59	10	28	70	3	73	65	4	69							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: OKLAHOMA

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION: ARKANSAS RIVER AT PONCA CITY, OKLAHOMA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION		GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL				ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	27	58	11	6	0	0	0	17	46	63								
11	3	58	11	25	-	-	-	19	74	93								
11	10	58	11	19	-	-	-	0	75	75								
11	17	58	11	28	-	-	-	51	134	185								
11	24	58	12	9	1	1	2	4	25	29								
12	1	58	12	15	0	2	2	0	40	40								
12	8	58	12	18	-	-	-	5	31	36								
1	5	59	1	26	-	-	-	1	4	5								
1	12	59	1	30	-	-	-	0	56	56								
1	20	59	2	11	-	-	-	38	28	66								
1	26	59	2	11	-	-	-	0	29	29								
2	2	59	2	17	-	-	-	13	15	28								
2	9	59	2	26	10	29	39	88	66	154								
2	23	59	3	6	-	-	-	8	61	69								
3	2	59	3	11	-	-	-	36	53	89								
3	9	59	3	18	0	0	0	24	15	39								
3	17	59	3	25	-	-	-	20	66	86								
3	23	59	4	3	-	-	-	34	321	355								
3	30	59	4	8	-	-	-	798	102	900								
4	6	59	4	15	0	0	0	163	547	710								
4	13	59	4	23	-	-	-	231	160	391								
4	20	59	4	30	-	-	-	33	89	122								
4	27	59	5	26	-	-	-	72	32	104								
5	4	59	5	13	-	-	-	363	298	661								
5	11	59	5	22	18	0	18	960	239	1199								
5	18	59	5	29	-	-	-	233	643	876								
5	25	59	6	5	-	-	-	0	56	56								
6	1	59	6	12	-	-	-	149	138	287								
6	8	59	6	16	5	7	12	70	59	129								
6	15	59	6	30	-	-	-	21	90	111								
6	22	59	7	2	-	-	-	23	24	47								
6	29	59	7	9	-	-	-	21	13	34								
7	6	59	7	15	-	-	-	84	7	91								
7	13	59	7	27	14	6	20	33	27	60								
9	15	59	9	28	-	-	-	0	55	55								
9	21	59	9	28	-	-	-	7	13	20								

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: KANSAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION: ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	15	-	-	-	24	132	156						
10	13	58	10	24	-	-	-	10	36	46						
10	20	58	10	29	-	-	-	60	41	101						
10	27	58	11	7	0	8	8	58	90	148						
11	4	58	11	17	-	-	-	4	28	32						
11	10	58	11	25	-	-	-	5	54	59						
11	24	58	12	9	0	16	16	2	44	46						
12	2	58	12	15	1	0	1	17	63	80						
12	9	58	12	23	-	-	-	14	80	94						
12	16	58	1	7	-	-	-	38	140	178						
12	22	58	1	13	-	-	-	0	50	50						
12	29	58	1	19	-	-	-	14	47	61						
1	6	59	1	26	-	-	-	2	34	36						
1	13	59	1	30	-	-	-	12	50	62						
1	19	59	2	5	-	-	-	17	19	36						
1	26	59	2	11	-	-	-	0	0	0						
2	2	59	2	13	-	-	-	25	144	169						
2	9	59	2	25	0	31	31	64	104	168						
2	16	59	3	4	-	-	-	18	44	62						
3	3	59	3	11	-	-	-	9	62	71						
3	16	59	3	25	-	-	-	177	157	334						
3	23	59	4	15	-	-	-	149	336	485						
3	31	59	4	8	-	-	-	159	93	252						
4	6	59	5	27	5	0	5	107	168	275						
4	13	59	4	22	0	22	22	181	691	872						
4	20	59	4	30	0	0	0	15	562	577						
4	27	59	5	12	-	-	-	166	289	455						
5	4	59	5	13	-	-	-	0	8	8						
5	11	59	5	22	4	24	28	0	0	0						
5	18	59	5	29	-	-	-	0	0	0						
5	25	59	6	8	-	-	-	71	119	190						
6	2	59	6	12	-	-	-	85	26	111						
6	8	59	6	19	0	0	0	12	56	68						
6	15	59	6	30	-	-	-	258	112	370						
6	22	59	7	7	-	-	-	63	158	221						
6	29	59	7	9	-	-	-	170	41	211						
7	6	59	8	7	-	-	-	159	162	321						
7	13	59	7	27	8	0	8	32	12	44						
7	20	59	8	7	0	7	7	16	33	49						
7	27	59	8	7	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: KANSAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION: ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g		μμc/l	μμc/l	μμc/l
8	3	59	9 25	-	-	-	10	17	27							
8	10	59	8 14	0	0	0	0	0	0							
8	17	59	8 26	-	-	-	5	83	88							
8	24	59	9 1	-	-	-	27	218	245							
8	31	59	9 9	-	-	-	5	12	17							
9	8	59	9 16	0	7	7	193	280	473							
9	14	59	9 23	-	-	-	21	52	73							
9	21	59	9 28	-	-	-	0	43	43							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: ARIZONA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER AT YUMA, ARIZONA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	15	-	-	-	4	40	44						
10	13	58	10	23	-	-	-	4	7	11						
10	20	58	10	29	-	-	-	1	62	63						
10	27	58	11	14	-	-	-	0	13	13						
11	3	58	11	17	-	-	-	13	62	75						
11	10	58	11	25	-	-	-	4	22	26						
11	17	58	12	1	-	-	-	0	41	41						
11	24	58	12	11	0	5	5	1	20	21						
12	1	58	12	18	0	6	6	0	20	20						
12	8	58	12	23	-	-	-	22	40	62						
1	19	59	2	5	-	-	-	0	9	9						
2	9	59	3	3	1	1	2	0	3	3						
2	16	59	3	4	-	-	-	4	41	45						
2	24	59	3	10	0	5	5	5	28	33						
3	2	59	3	16	0	6	6	15	29	44						
3	9	59	3	19	0	0	0	7	15	22						
3	17	59	3	26	1	8	9	35	276	311						
3	23	59	4	1	0	0	0	24	40	64						
3	30	59	4	14	2	14	16	16	60	76						
4	6	59	4	17	0	10	10	13	60	73						
4	20	59	4	29	0	5	5	0	57	57						
4	27	59	5	12	2	3	5	19	37	56						
5	4	59	5	18	0	0	0	12	178	190						
5	11	59	5	22	0	0	0	28	62	90						
5	18	59	5	29	0	6	6	3	60	63						
5	25	59	6	5	5	7	12	13	51	64						
6	1	59	6	12	0	0	0	0	0	0						
6	8	59	8	7	0	0	0	31	118	149						
6	15	59	6	30	49	64	113	152	435	587						
6	22	59	7	8	0	4	4	0	6	6						
6	29	59	7	14	-	-	-	25	0	25						
7	6	59	7	17	0	0	0	0	0	0						
7	13	59	7	30	0	2	2	0	0	0						
7	20	59	8	4	0	2	2	0	7	7						
7	27	59	8	7	0	7	7	16	33	49						
8	10	59	8	20	1	2	3	23	0	23						
8	17	59	8	31	0	4	4	2	5	7						
8	24	59	9	3	1	5	6	0	7	7						
8	31	59	9	14	1	7	8	0	5	5						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: ARIZONA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER AT YUMA, ARIZONA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER								RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION		GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l			μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
9	7	59	9	21	0	6	6	6	30	36							
9	14	59	9	24	1	7	8	21	43	64							
9	21	59	10	1	1	0	1	0	0	0							
9	28	59	10	8	1	4	5	5	0	5							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: CALIFORNIA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER AT PARKER DAM, ARIZONA-CALIFORNIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	1	58	10	13	0	10	10	0	30	30							
10	8	58	10	20	-	-	-	2	11	13							
10	15	58	10	28	-	-	-	0	13	13							
10	22	58	11	3	-	-	-	1	15	16							
10	29	58	11	13	-	-	-	0	43	43							
11	5	58	11	20	-	-	-	0	34	34							
11	12	58	12	5	-	-	-	2	26	28							
11	20	58	12	9	0	11	11	1	35	36							
11	26	58	12	11	1	0	1	4	41	45							
12	3	58	12	16	0	1	1	0	0	0							
12	9	58	12	24	-	-	-	0	70	70							
12	17	58	1	6	-	-	-	0	23	23							
12	24	58	1	22	-	-	-	1	8	9							
12	31	58	1	20	0	2	2	0	26	26							
1	5	59	1	26	-	-	-	4	44	48							
1	14	59	1	30	-	-	-	472	34	506							
1	21	59	2	5	-	-	-	5	42	47							
1	28	59	2	13	0	3	3	0	43	43							
2	5	59	2	17	0	4	4	24	23	47							
2	11	59	2	26	0	6	6	8	11	19							
2	25	59	3	11	0	10	10	0	31	31							
3	4	59	3	16	0	8	8	0	55	55							
3	11	59	3	26	0	0	0	8	50	58							
3	18	59	3	27	0	3	3	1	19	20							
3	24	59	4	7	1	15	16	8	45	53							
4	1	59	4	14	0	4	4	4	36	40							
4	6	59	4	17	0	0	0	14	97	111							
4	14	59	4	28	0	0	0	30	55	85							
4	20	59	5	7	0	0	0	6	65	71							
4	29	59	5	12	-	-	-	0	87	87							
5	6	59	5	19	0	1	1	0	74	74							
5	13	59	5	22	0	8	8	0	10	10							
5	20	59	6	2	0	3	3	90	103	193							
5	27	59	6	9	0	3	3	2	1	3							
6	1	59	6	12	0	0	0	0	7	7							
6	8	59	8	14	0	0	0	14	0	14							
6	15	59	7	6	0	0	0	13	21	34							
6	22	59	7	8	0	8	8	0	74	74							
6	29	59	7	14	-	-	-	0	12	12							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: CALIFORNIA

MAJOR BASIN: COLORADO RIVER

SUB BASIN: LOWER COLORADO RIVER

STATION LOCATION: COLORADO RIVER AT PARKER DAM, ARIZONA-CALIFORNIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7	17	0	0	0	0	0	0							
7	13	59	7	30	1	18	19	21	1	22							
7	22	59	8	5	7	4	11	1	43	44							
7	29	59	8	11	0	5	5	11	6	17							
8	6	59	8	14	1	0	1	0	0	0							
8	13	59	8	20	0	5	5	0	48	48							
8	19	59	8	28	0	8	8	6	47	53							
8	28	59	9	2	0	3	3	0	24	24							
9	2	59	9	14	0	2	2	6	0	6							
9	10	59	9	21	0	10	10	11	32	43							
9	16	59	9	28	0	11	11	0	20	20							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE NEVADA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL						
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	ALPHA μμc/g	BETA μμc/g	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l
10	6	58	10	20	-	-	-	0	32	32						
10	14	58	10	24	-	-	-	2	39	41						
10	21	58	11	5	0	11	11	0	20	20						
10	28	58	11	13	-	-	-	0	16	16						
11	4	58	11	21	-	-	-	1	32	33						
11	10	58	11	25	-	-	-	0	27	27						
11	18	58	12	2	-	-	-	0	10	10						
11	25	58	12	11	1	12	13	4	18	22						
12	2	58	12	15	0	5	5	0	16	16						
12	9	58	12	23	-	-	-	1	38	39						
12	15	58	1	6	-	-	-	12	22	34						
12	23	58	1	7	-	-	-	5	26	31						
12	30	58	1	20	0	6	6	0	14	14						
1	6	59	1	26	-	-	-	0	25	25						
1	12	59	1	30	-	-	-	0	0	0						
1	20	59	2	6	-	-	-	0	33	33						
1	27	59	2	13	0	10	10	0	12	12						
2	3	59	2	17	-	-	-	15	35	50						
2	10	59	3	3	-	-	-	30	84	114						
2	17	59	3	6	-	-	-	21	20	41						
2	24	59	3	10	1	10	11	8	51	59						
3	3	59	3	13	-	-	-	0	46	46						
3	10	59	3	20	-	-	-	0	3	3						
3	17	59	3	30	-	-	-	2	13	15						
3	24	59	4	7	0	7	7	13	42	55						
3	31	59	4	14	1	10	11	0	59	59						
4	6	59	4	17	1	3	4	5	68	73						
4	14	59	6	26	0	0	0	15	36	51						
4	20	59	5	4	0	3	3	0	16	16						
4	27	59	6	26	-	-	-	15	43	58						
5	5	59	5	18	0	2	2	23	74	97						
5	12	59	5	21	-	-	-	0	28	28						
5	19	59	6	1	-	-	-	44	100	144						
5	26	59	6	9	0	2	2	0	70	70						
6	2	59	6	15	-	-	-	7	22	29						
6	8	59	6	16	-	-	-	6	50	56						
6	15	59	7	2	-	-	-	0	0	0						
6	22	59	7	8	0	0	0	12	24	36						
6	29	59	7	14	-	-	-	4	9	13						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE NEVADA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER								RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7	15	-	-	-	0	4	4						
7	13	59	7	29	-	-	-	11	132	143						
7	20	59	8	4	-	-	-	0	21	21						
7	28	59	8	11	1	11	12	0	2	2						
8	4	59	8	13	-	-	-	0	3	3						
8	11	59	8	26	-	-	-	0	27	27						
8	25	59	9	2	0	4	0	4	29	33						
9	1	59	9	11	-	-	-	0	0	0						
9	8	59	9	15	-	-	-	0	18	18						
9	14	59	9	22	-	-	-	4	9	13						
9	22	59	9	30	0	10	10	0	17	17						
9	29	59	10	8	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: COLORADO
MAJOR BASIN: COLORADO RIVER
SUB BASIN: UPPER COLORADO RIVER
STATION LOCATION: COLORADO RIVER NEAR LOMA, COLORADO

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	15	-	-	-	22	58	80							
10	27	58	11	6	0	3	3	29	118	147							
11	4	58	11	17	-	-	-	36	96	132							
11	10	58	11	25	-	-	-	0	52	52							
11	17	58	12	1	-	-	-	239	49	388							
11	24	58	12	11	0	2	2	4	31	35							
12	1	58	12	15	0	0	0	8	21	29							
12	8	58	12	30	-	-	-	0	2	2							
12	15	58	1	9	-	-	-	0	55	55							
12	22	58	1	12	-	-	-	0	0	0							
1	5	59	1	26	-	-	-	19	4	23							
1	12	59	1	30	-	-	-	12	23	35							
1	19	59	2	5	-	-	-	20	72	92							
1	26	59	2	11	3	0	3	23	56	79							
2	9	59	2	26	0	4	4	249	294	543							
2	16	59	3	6	0	10	10	16	79	95							
2	24	59	3	10	2	19	21	38	72	110							
3	2	59	3	23	0	2	2	34	71	105							
3	9	59	3	20	0	9	9	0	51	51							
3	16	59	3	27	0	3	3	50	103	153							
3	23	59	4	1	8	8	16	10	52	62							
3	30	59	4	7	0	0	0	27	100	127							
4	6	59	4	15	0	9	9	45	69	114							
4	20	59	4	29	3	6	9	40	84	124							
4	27	59	5	8	-	-	-	0	0	0							
5	11	59	5	22	3	0	3	38	62	100							
5	18	59	6	2	0	1	1	307	0	307							
5	25	59	6	9	0	2	2	40	20	60							
6	1	59	6	12	0	0	0	91	50	141							
6	15	59	6	30	0	0	0	35	26	61							
6	22	59	7	8	13	1	14	176	27	203							
7	6	59	7	17	0	0	0	21	35	56							
7	20	59	8	5	2	7	9	0	86	86							
7	27	59	8	16	7	7	14	27	27	54							
8	4	59	8	12	42	7	49	32	21	53							
8	18	59	9	3	3	5	8	44	34	78							
9	8	59	9	17	-	-	-	20	65	85							
9	14	59	9	23	1	11	12	12	34	46							
9	21	59	10	1	4	19	23	0	0	0							
9	28	59	10	9	2	15	17	44	21	65							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE OREGON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER NEAR CLATSKANIE, OREGON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	13	58	10 28	-	-	-	20	242	262						
10	20	58	10 31	-	-	-	19	195	214						
10	27	58	11 13	-	-	-	16	129	145						
11	3	58	11 18	-	-	-	20	248	268						
11	10	58	11 24	-	-	-	18	105	123						
11	17	58	12 1	-	-	-	11	97	108						
11	25	58	12 11	1	1	2	27	54	81						
12	1	58	12 12	0	2	2	20	154	174						
12	8	58	12 24	-	-	-	20	134	154						
12	15	58	1 6	-	-	-	24	62	86						
12	23	58	1 13	-	-	-	39	108	147						
12	29	58	1 19	-	-	-	30	19	49						
1	5	59	1 22	-	-	-	42	254	296						
1	12	59	1 30	-	-	-	100	93	193						
1	19	59	2 6	-	-	-	67	137	204						
1	27	59	2 13	1	0	1	63	104	167						
2	2	59	2 17	-	-	-	98	114	212						
2	9	59	3 2	-	-	-	63	61	124						
2	16	59	3 9	-	-	-	26	71	97						
2	24	59	3 13	0	0	0	50	170	220						
3	2	59	3 13	-	-	-	69	202	271						
3	10	59	3 23	-	-	-	57	186	233						
3	16	59	3 27	-	-	-	67	111	178						
3	23	59	4 6	0	0	0	83	165	248						
3	30	59	4 13	-	-	-	56	140	196						
4	6	59	4 20	-	-	-	35	97	132						
4	13	59	4 28	-	-	-	38	138	176						
4	20	59	5 4	0	1	1	48	178	226						
4	28	59	5 12	-	-	-	44	175	219						
5	4	59	5 18	-	-	-	104	101	205						
5	11	59	5 25	-	-	-	168	295	463						
5	18	59	6 1	-	-	-	33	74	107						
5	26	59	6 9	0	0	0	90	91	181						
6	1	59	6 15	-	-	-	36	116	152						
6	8	59	6 30	-	-	-	23	138	161						
6	15	59	7 2	-	-	-	57	97	154						
6	22	59	7 9	-	-	-	24	113	137						
6	29	59	7 14	-	-	-	3	73	76						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: OREGON

MAJOR BASIN: PACIFIC NORTHWEST

SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION: COLUMBIA RIVER NEAR CLATSKANIE, OREGON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7 17	-	-	-	71	52	123						
7	13	59	7 29	-	-	-	16	66	82						
7	20	59	8 3	-	-	-	5	84	89						
7	28	59	8 7	0	0	0	23	85	108						
8	3	59	8 14	-	-	-	12	146	158						
8	10	59	8 19	-	-	-	19	149	168						
8	18	59	8 28	-	-	-	20	51	71						
8	24	59	9 2	0	0	0	17	194	211						
8	31	59	9 14	-	-	-	20	195	215						
9	8	59	9 22	-	-	-	15	176	191						
9	14	59	9 28	-	-	-	13	201	214						
9	21	59	10 5	0	0	0	20	218	238						
9	29	59	10 12	-	-	-	11	128	139						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: OREGON

MAJOR BASIN: PACIFIC NORTHWEST

SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION: COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	17	-	-	-	18	291	309						
10	13	58	10	28	-	-	-	8	206	214						
10	20	58	11	5	0	1	1	7	276	283						
10	27	58	11	13	-	-	-	6	313	319						
11	10	58	11	24	-	-	-	19	279	298						
11	17	58	12	1	-	-	-	19	246	265						
11	24	58	12	10	0	1	1	16	27	43						
12	1	58	12	16	0	0	0	15	133	148						
12	8	58	12	23	-	-	-	30	202	232						
12	15	58	1	7	-	-	-	81	160	241						
12	22	58	1	13	-	-	-	61	133	164						
12	29	58	1	20	0	0	0	22	204	226						
1	5	59	1	22	-	-	-	9	30	39						
1	12	59	1	29	-	-	-	62	190	252						
1	19	59	2	9	-	-	-	71	199	270						
1	26	59	2	13	0	0	0	99	184	283						
2	2	59	2	18	-	-	-	142	218	360						
2	9	59	3	3	-	-	-	57	504	561						
2	16	59	3	9	0	0	0	40	184	224						
2	24	59	3	12	0	1	1	59	327	386						
3	2	59	3	13	-	-	-	86	363	449						
3	9	59	3	23	-	-	-	66	328	394						
3	16	59	3	30	-	-	-	113	474	587						
3	23	59	4	6	0	0	0	50	236	286						
3	30	59	4	13	-	-	-	61	264	325						
4	6	59	4	20	-	-	-	52	218	270						
4	13	59	4	28	-	-	-	44	176	220						
4	20	59	5	4	1	2	3	55	231	286						
4	27	59	5	12	-	-	-	64	176	240						
5	4	59	5	18	-	-	-	49	95	144						
5	11	59	5	25	-	-	-	95	184	279						
5	18	59	6	1	-	-	-	36	72	108						
5	25	59	6	9	0	0	0	28	94	122						
6	1	59	6	16	-	-	-	28	100	128						
6	8	59	6	19	-	-	-	26	76	102						
6	15	59	7	2	-	-	-	47	118	165						
6	22	59	7	9	-	-	-	26	167	193						
6	29	59	7	14	-	-	-	49	90	139						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: OREGON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER						RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
					ALPHA			BETA			DATE OF DETERMINATION		GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO.	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l			μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7	17	-	-	-	8	73	81							
7	13	59	7	29	-	-	-	7	107	114							
7	20	59	7	31	-	-	-	19	120	139							
7	27	59	8	11	0	0	0	86	80	166							
8	3	59	8	14	-	-	-	6	124	130							
8	10	59	8	20	-	-	-	85	391	476							
8	17	59	8	28	-	-	-	19	122	141							
8	24	59	9	2	0	0	0	27	217	244							
9	21	59	9	30	0	0	0	25	249	274							
9	28	59	10	12	-	-	-	18	328	346							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: COLUMBIA RIVER AT PASCO, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	21	-	-	-	38	1007	1045						
10	20	58	11	15	0	1	1	73	654	727						
10	28	58	11	13	-	-	-	86	548	634						
11	3	58	11	18	-	-	-	71	465	536						
11	10	58	11	20	-	-	-	56	680	736						
11	18	58	12	2	-	-	-	31	493	524						
12	1	58	12	18	-	-	-	78	958	1036						
12	8	58	12	24	-	-	-	91	568	659						
12	15	58	1	9	-	-	-	56	369	425						
1	5	59	1	26	-	-	-	93	488	581						
1	12	59	1	29	-	-	-	68	724	792						
1	19	59	2	5	-	-	-	77	533	610						
1	26	59	2	12	2	0	2	209	452	661						
2	2	59	2	17	-	-	-	77	406	483						
2	9	59	3	3	-	-	-	43	420	463						
2	16	59	3	6	-	-	-	71	779	850						
2	24	59	3	16	0	3	3	552	95	647						
3	2	59	3	13	-	-	-	128	862	990						
3	9	59	3	23	-	-	-	69	508	577						
3	16	59	3	30	-	-	-	52	218	270						
3	23	59	4	2	3	4	7	194	1034	1228						
3	29	59	4	13	-	-	-	73	431	504						
4	13	59	4	28	-	-	-	68	623	691						
4	20	59	5	5	0	5	5	81	592	673						
4	27	59	5	13	-	-	-	161	247	408						
5	4	59	5	18	2	0	2	119	341	460						
5	11	59	5	25	-	-	-	33	198	231						
5	18	59	6	1	-	-	-	21	205	226						
5	25	59	6	9	2	1	3	8	180	188						
6	1	59	6	16	-	-	-	31	108	139						
6	8	59	6	19	-	-	-	11	123	134						
6	15	59	7	2	-	-	-	34	119	153						
6	22	59	7	9	-	-	-	17	80	97						
6	29	59	7	14	-	-	-	4	108	112						
7	6	59	7	17	-	-	-	15	165	180						
7	13	59	7	30	-	-	-	2	99	101						
7	20	59	8	3	-	-	-	17	157	174						
7	27	59	8	10	0	0	0	3	82	85						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: COLUMBIA RIVER AT PASCO, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	3	59	8 14	-	-	-	54	292	346						
8	10	59	8 20	-	-	-	77	385	462						
8	17	59	8 31	-	-	-	49	382	430						
8	24	59	9 3	0	1	1	52	406	458						
8	31	59	9 15	-	-	-	26	608	634						
9	8	59	10 30	-	-	-	12	229	241						
9	14	59	9 24	-	-	-	52	384	436						
9	21	59	10 5	0	0	0	6	379	385						
9	28	59	10 12	-	-	-	45	439	484						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER ABOVE YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT WENATCHEE, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	17	-	-	-	3	11	14							
10	14	58	10	24	-	-	-	4	19	23							
10	22	58	11	3	-	-	-	6	8	14							
10	29	58	11	13	-	-	-	5	0	5							
11	3	58	11	18	-	-	-	6	28	34							
11	12	58	11	24	-	-	-	0	20	20							
11	18	58	12	1	-	-	-	0	16	16							
11	25	58	12	10	0	0	0	0	9	9							
12	1	58	12	12	0	0	0	1	18	19							
12	8	58	12	23	-	-	-	0	9	9							
12	15	58	1	6	-	-	-	0	5	5							
12	29	58	1	16	-	-	-	1	0	1							
1	5	59	1	26	-	-	-	3	8	11							
1	19	59	2	5	-	-	-	5	14	19							
1	26	59	2	10	0	0	0	0	188	188							
2	2	59	2	16	-	-	-	5	3	8							
2	9	59	3	2	-	-	-	121	171	292							
2	17	59	3	5	-	-	-	6	14	20							
2	24	59	3	11	1	0	1	6	27	33							
3	2	59	3	12	-	-	-	5	27	32							
3	9	59	3	19	-	-	-	26	47	73							
3	17	59	3	26	-	-	-	16	10	26							
3	23	59	4	1	0	0	0	12	41	53							
3	30	59	4	9	-	-	-	56	73	129							
4	6	59	4	14	-	-	-	14	34	48							
4	13	59	4	27	-	-	-	12	109	121							
4	20	59	4	30	0	0	0	26	41	67							
4	27	59	5	28	-	-	-	20	36	56							
5	4	59	5	18	-	-	-	7	55	62							
5	11	59	5	21	-	-	-	0	8	8							
5	18	59	6	1	-	-	-	3	9	12							
6	1	59	6	15	-	-	-	2	3	5							
6	8	59	6	19	-	-	-	11	22	33							
6	15	59	6	30	-	-	-	24	67	91							
6	22	59	7	9	-	-	-	0	0	0							
6	29	59	7	9	-	-	-	1	0	1							
7	6	59	7	15	-	-	-	0	0	0							
7	13	59	7	29	-	-	-	0	0	0							
7	20	59	8	3	-	-	-	0	2	2							
7	27	59	8	7	0	0	0	5	13	18							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER ABOVE YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT WENATCHEE, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO. DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
8	3	59	8	12	-	-	-	10	15	25						
8	10	59	8	18	-	-	-	0	12	12						
8	17	59	8	31	-	-	-	0	0	0						
8	24	59	9	2	0	0	0	0	10	10						
9	1	59	9	11	-	-	-	0	2	2						
9	10	59	9	21	-	-	-	1	11	12						
9	28	59	10	8	-	-	-	2	6	8						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MASSACHUSETTS
MAJOR BASIN: NORTHEAST
SUB BASIN: CONNECTICUT RIVER
STATION LOCATION: CONNECTICUT RIVER BELOW NORTHFIELD, MASSACHUSETTS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
6	1	59	6	12	0	0	0	2	5	7							
7	13	59	7	30	-	-	-	0	6	6							
9	8	59	9	21	-	-	-	9	0	9							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: PENNSYLVANIA
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: DELAWARE-SCHUYLKILL RIVERS
STATION LOCATION: DELAWARE RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION		GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL				ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	16	-	-	-	9	31	40								
10	14	58	10	23	-	-	-	4	46	50								
10	21	58	10	29	-	-	-	5	22	27								
10	27	58	11	7	0	0	0	4	33	37								
11	3	58	11	14	-	-	-	29	37	66								
11	10	58	11	24	-	-	-	21	20	41								
11	18	58	11	28	-	-	-	4	27	31								
11	24	58	12	9	0	0	0	10	20	30								
12	1	58	12	15	1	0	1	27	22	49								
12	8	58	12	18	-	-	-	6	6	12								
12	15	58	1	9	-	-	-	8	10	18								
12	22	58	1	7	-	-	-	9	6	15								
12	30	58	1	20	1	0	1	0	1	1								
1	5	59	1	22	1	0	1	36	38	74								
1	12	59	1	28	-	-	-	52	27	79								
1	19	59	2	5	-	-	-	20	18	38								
1	26	59	2	12	-	-	-	38	45	83								
2	2	59	2	16	0	0	0	0	39	39								
2	9	59	2	24	-	-	-	33	29	62								
2	17	59	3	6	-	-	-	62	52	114								
3	2	59	3	12	1	1	2	45	25	70								
3	9	59	3	18	-	-	-	72	28	100								
3	16	59	3	26	-	-	-	30	28	58								
3	24	59	4	3	-	-	-	28	26	54								
3	30	59	4	13	-	-	-	23	35	58								
4	6	59	4	16	-	-	-	20	64	84								
4	13	59	4	28	-	-	-	26	30	56								
4	20	59	4	30	-	-	-	68	10	78								
4	27	59	5	8	-	-	-	23	51	74								
5	5	59	5	20	0	0	0	72	27	99								
5	11	59	5	25	-	-	-	7	3	10								
5	19	59	6	1	-	-	-	6	38	44								
5	26	59	6	8	-	-	-	20	24	44								
6	1	59	6	12	0	0	0	1	0	1								
6	8	59	7	15	-	-	-	9	4	13								
6	22	59	7	9	-	-	-	15	17	32								
6	29	59	7	9	-	-	-	0	23	23								
7	6	59	7	17	0	0	0	3	28	31								
7	13	59	7	29	-	-	-	0	6	6								
7	20	59	8	3	-	-	-	0	3	3								
7	28	59	8	10	-	-	-	2	9	11								

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE-SCHUYLKILL RIVERS

STATION LOCATION DELAWARE RIVER AT PHILADELPHIA, PENNSYLVANIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA					DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
				μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l				μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	4	59	8 12	0	0	0	2	5	7								
8	10	59	8 19	-	-	-	0	51	51								
8	17	59	8 27	-	-	-	4	0	4								
8	24	59	9 1	-	-	-	0	4	4								
8	31	59	9 10	0	6	6	5	0	5								

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE PENNSYLVANIA
MAJOR BASIN NORTH ATLANTIC
SUB BASIN DELAWARE-LEHIGH RIVERS
STATION LOCATION DELAWARE RIVER AT EASTON, PENNSYLVANIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g		μμc/l	μμc/l	μμc/l
4	6	59	4 17	0	0	0	11	17	28							
4	13	59	4 29	-	-	-	2	55	57							
5	1	59	5 12	-	-	-	20	50	70							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN LAKE ERIE-NIAGARA
STATION LOCATION LAKE ERIE AT BUFFALO, NEW YORK

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	2	58	10	13	0	0	0	5	5	10						
10	6	58	10	20	-	-	-	2	43	45						
10	15	58	10	24	-	-	-	1	8	9						
10	22	58	10	30	-	-	-	0	32	32						
10	29	58	11	7	0	0	0	1	15	16						
11	5	58	11	17	-	-	-	6	11	17						
11	12	58	11	19	-	-	-	8	61	69						
11	19	58	12	1	-	-	-	7	14	21						
11	26	58	12	11	0	2	2	14	19	33						
12	3	58	12	12	0	1	1	4	15	19						
12	10	58	12	29	-	-	-	7	8	15						
12	17	58	1	9	-	-	-	9	15	24						
12	24	58	1	13	-	-	-	6	32	38						
12	30	58	1	16	-	-	-	0	21	21						
1	5	59	1	26	-	-	-	4	16	20						
1	14	59	1	28	-	-	-	4	11	15						
1	21	59	2	6	-	-	-	5	20	25						
1	28	59	2	12	-	-	-	4	20	24						
2	4	59	2	16	0	0	0	8	8	16						
2	9	59	3	3	-	-	-	0	0	0						
2	16	59	3	9	-	-	-	30	37	67						
2	25	59	3	10	-	-	-	0	5	5						
3	2	59	3	16	0	1	1	0	31	31						
3	11	59	3	23	0	0	0	12	5	17						
3	18	59	3	27	-	-	-	4	15	19						
3	25	59	4	6	-	-	-	4	18	22						
3	30	59	4	13	-	-	-	5	18	23						
4	6	59	4	20	-	-	-	12	46	58						
4	15	59	4	27	-	-	-	4	42	46						
4	20	59	5	4	-	-	-	7	56	63						
4	29	59	5	13	-	-	-	34	11	45						
5	6	59	5	20	0	0	0	8	17	25						
5	13	59	6	11	-	-	-	17	16	33						
5	20	59	7	6	-	-	-	7	43	50						
5	27	59	6	5	-	-	-	14	28	42						
6	4	59	6	16	1	1	2	22	29	51						
6	8	59	6	19	-	-	-	0	4	4						
6	15	59	7	2	-	-	-	11	21	32						
6	22	59	7	7	-	-	-	5	12	17						
6	29	59	8	27	0	0	0	2	0	2						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LAKE ERIE-NIAGARA

STATION LOCATION LAKE ERIE AT BUFFALO, NEW YORK

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7	17	0	0	0	0	33	33						
7	13	59	8	27	-	-	-	6	38	44						
7	29	59	8	10	-	-	-	3	18	21						
8	19	59	8	26	-	-	-	0	0	0						
8	26	59	9	3	-	-	-	0	12	12						
9	2	59	9	14	0	0	0	4	6	10						
9	9	59	9	17	-	-	-	10	27	37						
9	14	59	9	28	-	-	-	3	13	16						
9	23	59	10	5	-	-	-	0	3	3						
9	30	59	10	8	-	-	-	2	5	7						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	17	-	-	-	4	53	57						
10	14	58	10	23	-	-	-	4	5	9						
10	21	58	10	29	-	-	-	12	25	37						
10	29	58	11	12	-	-	-	0	3	3						
11	5	58	11	18	-	-	-	0	11	11						
11	11	58	11	25	-	-	-	0	8	8						
11	18	58	12	1	-	-	-	3	15	18						
11	26	58	12	10	0	0	0	7	4	11						
12	3	58	12	16	0	0	0	0	11	11						
12	9	58	12	24	-	-	-	0	4	4						
12	16	58	1	6	-	-	-	0	10	10						
12	29	58	1	16	-	-	-	3	12	15						
1	6	59	1	21	0	0	0	0	48	48						
1	13	59	1	29	-	-	-	7	12	19						
1	21	59	2	9	-	-	-	0	3	3						
1	28	59	2	12	-	-	-	2	11	13						
2	10	59	2	24	-	-	-	3	3	6						
2	16	59	3	6	-	-	-	3	8	11						
3	3	59	3	20	-	-	-	3	26	29						
3	10	59	4	21	-	-	-	0	1	1						
3	18	59	3	27	-	-	-	0	0	0						
3	24	59	4	6	-	-	-	5	26	31						
3	31	59	4	9	0	0	0	8	20	28						
4	7	59	4	14	-	-	-	23	26	49						
4	13	59	4	28	-	-	-	8	18	26						
4	20	59	5	4	-	-	-	2	35	37						
4	28	59	5	11	-	-	-	22	93	115						
5	5	59	5	19	0	0	0	39	87	126						
5	13	59	5	25	-	-	-	15	24	39						
5	19	59	6	18	-	-	-	5	20	25						
5	25	59	6	18	-	-	-	3	10	13						
6	2	59	6	12	0	0	0	0	10	10						
6	8	59	6	19	-	-	-	5	7	12						
6	15	59	7	2	-	-	-	5	8	13						
6	29	59	7	14	-	-	-	0	3	3						
7	6	59	7	17	0	0	0	0	0	0						
7	13	59	7	29	-	-	-	0	4	4						
7	20	59	8	4	-	-	-	4	7	11						
8	11	59	8	18	-	-	-	0	9	9						
8	18	59	8	26	-	-	-	1	38	39						
8	24	59	9	1	-	-	-	10	8	18						

WATER QUALITY BASIC DATA

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

RADIOACTIVITY DETERMINATIONS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
9	2	59	9	14	0	0	0	0	6	6						
9	8	59	9	17	-	-	-	5	3	8						
9	14	59	9	23	-	-	-	7	6	13						
9	21	59	9	28	-	-	-	0	0	0						
9	30	59	10	12	-	-	-	3	4	7						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE MINNESOTA

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN LAKE SUPERIOR

STATION LOCATION LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	15	-	-	-	0	86	86							
10	13	58	10	23	-	-	-	0	19	19							
10	20	58	10	29	-	-	-	0	11	11							
10	27	58	11	6	0	0	0	0	7	7							
11	3	58	11	17	-	-	-	0	4	4							
11	10	58	11	25	-	-	-	3	13	16							
11	17	58	11	28	-	-	-	0	0	0							
11	24	58	12	10	0	0	0	0	6	6							
12	1	58	12	16	0	0	0	0	0	0							
12	8	58	1	13	-	-	-	8	11	19							
12	15	58	1	6	-	-	-	6	1	7							
12	22	58	1	7	-	-	-	1	12	13							
12	29	58	1	13	-	-	-	0	4	4							
1	5	59	1	22	-	-	-	1	1	2							
1	12	59	1	28	-	-	-	0	10	10							
1	19	59	2	5	-	-	-	0	4	4							
1	26	59	2	11	-	-	-	3	3	6							
2	2	59	2	17	-	-	-	4	3	7							
2	9	59	3	13	0	0	0	3	2	5							
2	16	59	3	5	-	-	-	4	4	8							
2	24	59	3	11	-	-	-	1	17	18							
3	2	59	3	12	-	-	-	0	6	6							
3	9	59	3	19	0	1	1	0	0	0							
3	16	59	3	26	-	-	-	0	5	5							
3	23	59	4	3	-	-	-	0	6	6							
3	30	59	4	9	-	-	-	17	68	85							
4	6	59	4	17	0	0	0	0	15	15							
4	13	59	4	23	-	-	-	0	3	3							
4	20	59	5	4	-	-	-	8	43	51							
4	27	59	6	26	-	-	-	0	7	7							
5	4	59	5	13	-	-	-	1	2	3							
5	11	59	5	21	0	0	0	12	11	23							
5	18	59	6	1	-	-	-	17	108	125							
5	26	59	6	8	-	-	-	10	12	22							
6	1	59	6	15	-	-	-	0	0	0							
6	8	59	6	16	0	0	0	2	83	85							
6	15	59	7	2	-	-	-	12	9	21							
6	22	59	7	9	-	-	-	4	5	9							
6	29	59	7	9	-	-	-	0	148	148							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MINNESOTA
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: LAKE SUPERIOR
STATION LOCATION: LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l		MO. DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
7	6	59	7	15	-	-	-	0	0	0							
7	13	59	7	28	0	0	0	0	0	0							
7	20	59	7	31	-	-	-	0	0	0							
7	28	59	8	10	-	-	-	3	4	7							
8	3	59	8	12	-	-	-	0	0	0							
8	10	59	8	19	0	0	0	2	14	16							
8	17	59	8	28	-	-	-	2	0	2							
8	24	59	9	2	-	-	-	0	3	3							
9	1	59	9	11	-	-	-	0	2	2							
9	8	59	9	16	0	0	0	0	4	4							
9	14	59	9	23	-	-	-	4	7	11							
9	21	59	9	30	-	-	-	0	0	0							
9	28	59	10	6	-	-	-	2	0	2							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: INDIANA
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: ST. JOSEPH RIVER
STATION LOCATION: LAKE MICHIGAN AT GARY, INDIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER								RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION		GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO.	DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	6	58	10	14	-	-	-	1	14	15							
10	13	58	10	23	-	-	-	0	45	45							
10	20	58	10	28	-	-	-	0	10	10							
10	27	58	11	10	0	0	0	0	3	3							
11	3	58	11	13	-	-	-	0	6	6							
11	10	58	11	19	-	-	-	3	14	17							
11	17	58	11	28	-	-	-	2	8	10							
11	24	58	12	2	-	-	-	3	14	17							
12	1	58	12	12	0	0	0	6	38	44							
12	8	58	12	18	-	-	-	5	15	20							
12	15	58	1	5	-	-	-	0	7	7							
1	5	59	1	26	1	1	2	3	29	32							
1	12	59	1	28	-	-	-	0	9	9							
1	19	59	2	5	-	-	-	0	6	6							
1	26	59	2	10	-	-	-	4	0	4							
2	9	59	2	25	0	0	0	6	14	20							
2	24	59	3	11	-	-	-	10	13	23							
3	2	59	3	11	-	-	-	4	11	15							
3	10	59	3	19	0	0	0	13	11	24							
3	17	59	3	26	-	-	-	19	15	34							
3	24	59	4	2	-	-	-	6	15	21							
4	14	59	4	23	-	-	-	18	29	47							
4	20	59	5	4	-	-	-	42	56	98							
4	28	59	6	6	-	-	-	20	26	46							
5	4	59	6	25	-	-	-	12	24	36							
5	12	59	6	26	0	0	0	9	15	24							
5	19	59	5	29	-	-	-	15	54	69							
6	2	59	6	15	-	-	-	48	17	65							
6	9	59	6	16	1	0	1	2	0	2							
6	15	59	6	30	-	-	-	3	16	19							
6	22	59	7	7	-	-	-	0	5	5							
6	29	59	7	9	-	-	-	1	108	109							
7	6	59	7	15	-	-	-	0	8	8							
7	13	59	7	27	1	0	1	0	1	1							
7	20	59	7	31	-	-	-	33	55	88							
7	28	59	8	4	-	-	-	1	0	1							
8	4	59	8	12	-	-	-	0	30	30							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: INDIANA
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: ST. JOSEPH RIVER
STATION LOCATION: LAKE MICHIGAN AT GARY, INDIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
9	1	59	9	10	-	-	-	0	2	2						
9	8	59	9	16	0	0	0	0	2	2						
9	14	59	9	23	-	-	-	3	4	7						
9	22	59	10	5	-	-	-	14	5	19						
9	28	59	10	9	-	-	-	1	2	3						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: NEW YORK
MAJOR BASIN: NORTHEAST
SUB BASIN: LOWER HUDSON RIVER
STATION LOCATION: HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER			
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO. DAY	ppc/g	ppc/g		ppc/l	ppc/l	ppc/l
10	6	58	10	15	-	-	-	2	21	23							
10	13	58	10	24	-	-	-	4	17	21							
10	20	58	10	28	-	-	-	0	10	10							
10	27	58	11	5	0	0	0	17	54	71							
11	3	58	11	14	-	-	-	156	100	256							
11	10	58	11	21	-	-	-	13	44	57							
11	17	58	11	28	-	-	-	3	33	36							
11	24	58	12	9	0	1	1	27	28	55							
12	1	58	12	12	0	0	0	5	15	20							
12	8	58	12	23	-	-	-	46	21	67							
12	15	58	12	24	-	-	-	8	22	30							
12	22	58	1	6	-	-	-	4	32	36							
12	29	58	1	14	-	-	-	8	16	24							
1	5	59	1	22	-	-	-	0	8	8							
1	12	59	1	29	-	-	-	1	19	20							
1	21	59	2	9	-	-	-	0	10	10							
1	28	59	2	11	-	-	-	33	66	99							
2	4	59	2	18	0	0	0	177	85	262							
2	9	59	2	27	-	-	-	51	49	100							
2	16	59	3	5	0	0	0	29	46	75							
2	25	59	3	11	-	-	-	44	66	110							
3	4	59	3	16	0	0	0	36	69	105							
3	9	59	3	20	-	-	-	44	56	100							
3	16	59	3	27	-	-	-	68	89	157							
3	25	59	4	3	-	-	-	79	93	172							
4	1	59	4	13	-	-	-	16	34	50							
4	6	59	4	20	-	-	-	36	43	79							
4	13	59	4	27	-	-	-	26	78	104							
4	20	59	4	30	-	-	-	76	21	97							
4	27	59	5	12	-	-	-	6	9	15							
5	6	59	5	21	0	0	0	0	0	0							
5	13	59	5	25	-	-	-	118	143	261							
5	20	59	6	1	-	-	-	7	34	41							
5	27	59	6	8	-	-	-	43	30	73							
6	1	59	6	16	1	0	1	17	49	66							
6	8	59	6	19	-	-	-	5	9	14							
6	15	59	7	7	-	-	-	10	29	39							
6	22	59	7	9	-	-	-	7	52	59							
6	29	59	7	15	-	-	-	0	1	1							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: NEW YORK
MAJOR BASIN: NORTHEAST
SUB BASIN: LOWER HUDSON RIVER
STATION LOCATION: HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	8	6	2	1	3	15	3	18						
7	13	59	8	7	-	-	-	0	9	9						
7	20	59	8	7	-	-	-	7	1	8						
7	29	59	8	10	-	-	-	2	9	11						
8	5	59	8	11	0	0	0	6	26	32						
8	12	59	8	20	-	-	-	4	18	22						
8	19	59	8	31	-	-	-	0	0	0						
8	26	59	9	3	-	-	-	12	5	17						
9	2	59	9	14	0	0	0	4	5	9						
9	9	59	9	21	-	-	-	3	11	14						
9	23	59	10	5	-	-	-	1	2	3						
9	30	59	10	9	-	-	-	0	6	6						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MASSACHUSETTS
MAJOR BASIN: NORTHEAST
SUB BASIN: MERRIMAC RIVER
STATION LOCATION: MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION					
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	ALPHA μμc/g	BETA μμc/g	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l
10	17	58	10	29	-	-	-	7	6	13							
10	30	58	11	14	-	-	-	14	91	105							
11	5	58	11	19	-	-	-	12	71	83							
11	17	58	11	28	-	-	-	18	38	56							
11	24	58	12	10	0	0	0	14	28	42							
12	2	58	12	16	0	0	0	12	17	29							
12	8	58	12	23	-	-	-	9	46	55							
12	15	58	1	12	-	-	-	29	57	86							
12	22	58	1	13	-	-	-	8	20	28							
12	30	58	1	20	0	0	0	5	1	6							
1	7	59	1	29	-	-	-	10	17	27							
1	14	59	2	5	-	-	-	46	11	57							
2	16	59	3	9	-	-	-	0	12	12							
2	25	59	3	11	-	-	-	20	28	48							
3	11	59	3	23	-	-	-	120	94	214							
3	18	59	4	1	-	-	-	55	105	160							
3	24	59	4	6	-	-	-	50	41	91							
3	30	59	4	10	-	-	-	823	59	882							
4	6	59	4	21	-	-	-	127	12	139							
4	13	59	4	28	-	-	-	5	25	30							
4	20	59	5	4	-	-	-	11	16	27							
4	29	59	5	13	-	-	-	14	36	50							
5	6	59	5	19	0	0	0	18	42	60							
5	13	59	5	25	-	-	-	32	22	54							
5	20	59	6	1	-	-	-	12	23	35							
5	25	59	6	8	-	-	-	42	34	76							
6	1	59	6	16	1	0	1	1	1	2							
6	8	59	6	19	-	-	-	10	13	23							
6	15	59	7	7	-	-	-	7	5	12							
6	22	59	7	9	-	-	-	9	19	28							
6	29	59	7	14	-	-	-	56	39	95							
7	6	59	7	17	0	0	0	6	16	22							
7	13	59	7	30	-	-	-	9	23	32							
7	20	59	8	3	-	-	-	3	11	14							
7	27	59	8	11	-	-	-	0	16	16							
8	3	59	8	18	0	0	0	6	9	15							
8	10	59	8	20	-	-	-	7	16	23							
8	18	59	8	31	-	-	-	3	6	9							
8	24	59	9	3	-	-	-	13	38	51							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: LOUISIANA

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION: MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	2	58	10	14	0	0	0	11	245	256						
10	9	58	10	20	-	-	-	0	0	0						
10	16	58	10	28	-	-	-	6	5	11						
10	23	58	11	3	-	-	-	7	6	13						
10	30	58	11	13	-	-	-	0	18	18						
11	6	58	11	19	-	-	-	5	42	47						
11	13	58	11	24	-	-	-	1	0	1						
11	20	58	12	1	-	-	-	3	22	25						
11	28	58	12	11	0	0	0	32	16	48						
12	8	58	12	24	-	-	-	14	18	32						
12	18	58	1	12	-	-	-	0	31	31						
12	29	58	1	14	-	-	-	27	56	83						
1	2	59	1	19	0	1	1	1	4	5						
1	8	59	1	26	-	-	-	2	13	15						
1	15	59	2	9	-	-	-	2	9	11						
1	22	59	2	6	-	-	-	16	25	41						
1	29	59	2	12	-	-	-	55	19	74						
2	5	59	2	18	-	-	-	8	16	24						
2	12	59	2	25	17	3	20	26	21	47						
2	19	59	3	5	10	0	10	133	42	175						
2	27	59	3	10	-	-	-	101	13	114						
3	5	59	3	13	-	-	-	94	38	132						
3	12	59	3	23	-	-	-	72	36	108						
3	19	59	3	30	8	0	8	131	88	219						
3	24	59	4	6	-	-	-	92	43	135						
4	2	59	4	13	-	-	-	61	55	116						
4	6	59	4	20	-	-	-	84	56	140						
4	13	59	4	28	-	-	-	124	160	284						
4	23	59	5	4	-	-	-	116	100	216						
4	30	59	5	12	-	-	-	50	42	92						
5	7	59	5	18	-	-	-	63	38	101						
5	14	59	5	22	-	-	-	64	3	67						
5	21	59	6	2	6	0	6	91	39	130						
5	25	59	6	8	-	-	-	61	12	73						
6	1	59	6	15	-	-	-	70	45	115						
6	8	59	6	19	-	-	-	160	109	269						
6	15	59	7	6	7	0	7	85	34	119						
6	22	59	7	7	-	-	-	23	9	32						
6	29	59	7	14	-	-	-	7	6	13						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: LOUISIANA

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION: MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7	17	-	-	-	0	21	21							
7	16	59	7	30	-	-	-	0	21	21							
7	23	59	8	5	2	6	8	2	23	25							
7	30	59	8	11	-	-	-	32	12	44							
8	6	59	8	14	-	-	-	23	0	23							
8	13	59	8	20	-	-	-	5	12	17							
8	20	59	8	31	1	0	1	8	14	22							
9	3	59	9	15	-	-	-	0	31	37							
9	10	59	9	21	-	-	-	2	5	7							
9	17	59	9	28	0	0	0	0	9	9							
9	24	59	10	5	-	-	-	2	12	14							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE MISSISSIPPI

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-YAZOO RIVERS

STATION LOCATION MISSISSIPPI RIVER AT VICKSBURG, MISSISSIPPI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	18	-	-	-	33	21	54							
10	20	58	11	3	-	-	-	25	24	49							
10	27	58	11	7	2	2	4	26	25	51							
11	3	58	11	14	-	-	-	2	4	6							
11	10	58	11	25	-	-	-	7	26	33							
11	17	58	12	1	-	-	-	2	33	35							
11	24	58	12	10	3	0	3	36	31	67							
12	1	58	12	16	3	0	3	8	32	40							
12	8	58	12	30	-	-	-	28	5	33							
12	15	58	1	9	-	-	-	38	16	54							
12	29	58	1	19	-	-	-	10	15	25							
1	5	59	1	26	-	-	-	13	14	27							
1	13	59	1	30	-	-	-	32	23	55							
1	20	59	2	13	-	-	-	26	14	40							
1	26	59	2	17	-	-	-	58	28	86							
2	2	59	2	18	-	-	-	65	256	321							
3	15	59	3	30	-	-	-	74	38	112							
3	23	59	4	3	-	-	-	100	100	200							
3	30	59	4	10	-	-	-	157	66	223							
4	6	59	4	20	-	-	-	36	51	87							
4	13	59	4	24	9	0	9	71	54	125							
4	20	59	4	30	-	-	-	87	115	202							
4	28	59	5	12	-	-	-	0	34	34							
5	4	59	5	18	-	-	-	88	19	107							
5	11	59	5	22	-	-	-	3	20	23							
5	18	59	6	2	9	4	13	1139	778	1917							
5	25	59	6	8	-	-	-	41	0	41							
6	1	59	6	15	-	-	-	31	0	31							
6	8	59	6	16	-	-	-	131	33	164							
6	15	59	7	6	13	0	13	188	287	475							
6	22	59	7	7	-	-	-	23	47	70							
6	29	59	7	14	-	-	-	14	14	28							
7	6	59	7	17	-	-	-	26	28	54							
7	13	59	7	29	-	-	-	5	22	27							
7	20	59	8	4	11	0	11	47	19	66							
7	27	59	8	10	-	-	-	69	33	102							
8	3	59	8	13	-	-	-	35	24	59							
8	17	59	8	28	0	0	0	0	4	4							
8	24	59	9	2	-	-	-	30	7	37							
8	31	59	9	11	-	-	-	34	13	47							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MISSISSIPPI
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: LOWER MISSISSIPPI-YAZOO RIVERS
STATION LOCATION: MISSISSIPPI RIVER AT VICKSBURG, MISSISSIPPI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
9	10	59	9	22	-	-	-	35	28	63							
9	14	59	9	24	16	2	18	28	15	43							
9	21	59	10	5	-	-	-	5	0	5							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	17	-	-	-	32	23	55							
10	13	58	10	24	-	-	-	10	17	27							
10	20	58	10	31	-	-	-	7	26	33							
10	27	58	11	10	0	2	2	0	25	25							
11	3	58	11	14	-	-	-	4	16	20							
11	10	58	11	20	-	-	-	3	65	68							
11	17	58	11	25	-	-	-	49	24	73							
11	24	58	12	10	2	0	2	32	75	107							
12	1	58	12	15	0	0	0	25	29	54							
12	8	58	12	18	-	-	-	34	20	54							
12	15	58	1	6	-	-	-	9	22	31							
12	22	58	1	13	-	-	-	21	25	46							
12	29	58	1	13	-	-	-	6	53	59							
1	5	59	1	22	0	0	0	5	31	36							
1	12	59	1	30	-	-	-	17	21	38							
1	19	59	1	30	-	-	-	54	14	68							
1	26	59	2	10	-	-	-	108	31	139							
2	2	59	3	10	-	-	-	69	27	96							
2	9	59	3	2	-	-	-	58	32	90							
2	16	59	3	3	0	0	0	78	2	80							
2	23	59	3	9	-	-	-	90	43	133							
3	2	59	3	13	-	-	-	67	13	80							
3	9	59	3	19	-	-	-	149	84	233							
3	16	59	3	26	5	0	5	128	36	164							
3	23	59	4	3	-	-	-	83	86	169							
3	30	59	4	10	-	-	-	146	52	198							
4	6	59	4	14	-	-	-	21	26	47							
4	13	59	4	24	12	0	12	100	50	150							
4	20	59	5	4	-	-	-	57	44	101							
4	27	59	5	8	-	-	-	21	135	156							
5	4	59	5	13	-	-	-	98	34	132							
5	11	59	5	21	-	-	-	29	22	51							
5	18	59	6	1	9	0	9	119	103	222							
5	25	59	6	5	-	-	-	130	76	206							
6	1	59	6	15	-	-	-	94	26	120							
6	8	59	6	16	-	-	-	339	39	378							
6	15	59	6	30	6	7	13	346	167	513							
6	22	59	7	2	-	-	-	118	130	248							
6	29	59	7	9	-	-	-	81	56	137							

WATER QUALITY BASIC DATA

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

RADIOACTIVITY DETERMINATIONS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g		μμc/l	μμc/l	μμc/l
7	6	59	7 15	-	-	-	12	22	34							
7	13	59	7 29	-	-	-	21	0	21							
7	20	59	7 30	15	0	15	28	0	28							
7	27	59	8 10	-	-	-	0	6	6							
8	3	59	8 12	-	-	-	11	12	23							
8	10	59	8 14	-	-	-	1	84	85							
8	17	59	8 27	6	0	6	21	3	24							
8	24	59	9 1	-	-	-	24	18	42							
8	31	59	9 10	-	-	-	6	16	22							
9	8	59	9 17	-	-	-	2	13	15							
9	14	59	9 22	0	0	0	11	13	24							
9	21	59	9 28	-	-	-	12	10	22							
9	28	59	10 8	-	-	-	0	13	13							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MISSOURI
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION: MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA					GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	GROSS ACTIVITY		SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	ALPHA μμc/g	BETA μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	16	-	-	-	68	52	120						
10	13	58	10	24	-	-	-	14	21	35						
10	20	58	10	29	-	-	-	43	37	80						
10	27	58	11	7	1	3	4	16	44	60						
11	3	58	11	19	-	-	-	31	22	53						
11	10	58	11	20	-	-	-	13	28	41						
11	17	58	12	1	-	-	-	116	35	151						
11	24	58	12	10	0	2	2	59	35	94						
12	1	58	12	15	0	0	0	13	3	16						
12	8	58	12	24	-	-	-	18	23	41						
12	15	58	1	9	-	-	-	4	102	106						
12	22	58	1	13	-	-	-	14	11	25						
12	29	58	1	19	-	-	-	18	29	47						
1	5	59	1	26	-	-	-	19	10	29						
1	12	59	1	29	-	-	-	1	0	1						
1	19	59	2	10	-	-	-	6	13	19						
1	26	59	2	18	-	-	-	12	41	53						
2	2	59	2	17	-	-	-	29	24	53						
2	9	59	2	24	-	-	-	28	22	50						
2	16	59	3	6	11	0	11	248	62	310						
2	24	59	3	6	-	-	-	121	43	164						
3	2	59	3	12	-	-	-	99	61	160						
3	9	59	3	14	-	-	-	169	74	243						
3	16	59	3	26	0	0	0	149	114	263						
3	23	59	4	3	-	-	-	159	112	271						
3	30	59	4	8	-	-	-	158	135	293						
4	6	59	4	13	-	-	-	159	13	172						
4	14	59	4	23	3	0	3	146	83	239						
4	20	59	5	4	-	-	-	71	100	171						
4	27	59	6	29	-	-	-	200	21	221						
5	4	59	5	13	-	-	-	82	42	124						
5	11	59	5	21	-	-	-	72	38	110						
5	18	59	6	26	8	2	10	92	0	92						
5	25	59	6	5	-	-	-	695	799	1494						
6	1	59	6	15	-	-	-	65	32	97						
6	8	59	6	16	-	-	-	312	60	372						
6	15	59	6	30	19	9	28	145	27	172						
6	22	59	7	6	-	-	-	11	0	11						
6	29	59	7	9	-	-	-	13	12	25						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MISSOURI

MAJOR BASIN: UPPER MISSISSIPPI RIVER

SUB BASIN: MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION: MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7	15	-	-	-	41	16	57							
7	13	59	7	28	-	-	-	133	144	277							
7	27	59	8	10	-	-	-	55	28	83							
8	3	59	8	13	-	-	-	15	13	28							
8	10	59	8	18	-	-	-	27	9	36							
8	17	59	8	26	20	0	20	65	0	65							
8	24	59	9	1	-	-	-	3	0	3							
8	31	59	9	10	-	-	-	12	56	68							
9	8	59	9	21	-	-	-	15	11	26							
9	14	59	9	22	2	0	2	20	19	39							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ILLINOIS
MAJOR BASIN UPPER MISSISSIPPI RIVER
SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA
STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE SAMPLE TAKEN			DATE OF DETERMINATION		RADIOACTIVITY IN WATER						RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
					ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l		ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	6	58	10	15	-	-	-	14	63	77						
10	13	58	10	21	-	-	-	15	30	45						
10	20	58	10	28	-	-	-	7	39	46						
10	27	58	11	6	0	-	-	4	1	5						
11	3	58	11	17	-	4	4	14	32	46						
11	10	58	11	20	-	-	-	14	34	48						
11	17	58	11	28	-	-	-	43	35	78						
11	24	58	12	10	0	0	0	24	36	60						
12	1	58	12	11	0	0	0	44	83	127						
12	8	58	12	18	-	-	-	0	0	0						
12	15	58	12	24	-	-	-	10	43	53						
12	22	58	1	13	-	-	-	2	16	18						
12	29	58	1	13	-	-	-	3	44	47						
1	5	59	1	22	0	-	-	3	239	242						
1	12	59	1	28	-	0	-	2	21	23						
1	19	59	2	6	-	-	0	0	11	11						
1	26	59	2	10	-	-	-	43	109	152						
2	2	59	2	13	-	-	-	29	31	60						
2	9	59	2	24	-	-	-	1	38	39						
2	16	59	3	3	0	-	-	219	80	299						
2	24	59	3	9	-	0	0	170	67	237						
3	2	59	3	11	-	-	-	168	98	266						
3	9	59	3	18	-	-	-	134	147	281						
3	16	59	3	25	1	-	-	74	106	180						
3	23	59	4	2	-	0	1	206	159	367						
3	30	59	4	8	-	-	-	241	129	370						
4	6	59	4	13	7	-	-	154	85	239						
4	13	59	4	23	-	0	7	123	55	178						
4	20	59	4	30	-	-	-	60	22	82						
4	27	59	5	7	-	-	-	86	70	156						
5	4	59	5	13	-	-	-	61	30	91						
5	11	59	5	25	17	-	-	379	0	379						
5	18	59	7	9	-	1	18	39	28	67						
5	25	59	6	5	-	-	-	0	0	0						
6	1	59	6	12	-	-	-	91	24	115						
6	8	59	6	16	5	-	-	77	84	161						
6	15	59	6	30	-	1	6	5	1	6						
6	22	59	7	2	-	-	-	20	36	56						
6	29	59	7	9	-	-	-	29	92	121						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7 14	-	-	-	103	0	103						
7	13	59	7 27	14	0	14	0	0	0						
7	20	59	7 30	-	-	-	0	8	8						
7	27	59	8 7	-	-	-	37	21	58						
8	17	59	8 26	0	6	6	42	10	52						
8	24	59	8 31	-	-	-	3	8	11						
8	31	59	9 3	-	-	-	3	9	12						
9	8	59	9 17	1	1	2	11	22	33						
9	15	59	9 22	-	-	-	10	16	26						
9	21	59	9 28	-	-	-	6	5	11						
9	28	59	10 5	-	-	-	18	11	29						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS

STATION LOCATION MISSISSIPPI RIVER AT BURLINGTON, IOWA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	20	-	-	-	5	9	14						
10	13	58	10	23	-	-	-	9	52	61						
10	20	58	10	29	-	-	-	8	71	79						
10	27	58	11	7	0	-	-	10	30	40						
11	3	58	11	17	-	-	-	3	24	27						
11	10	58	11	20	-	-	-	0	22	22						
11	17	58	11	28	-	-	-	16	38	54						
11	24	58	12	10	0	0	0	16	17	33						
12	1	58	12	12	0	0	0	11	23	34						
12	8	58	12	23	-	-	-	21	30	51						
1	5	59	1	21	0	0	0	2	17	19						
1	12	59	1	29	-	-	-	0	16	16						
1	19	59	2	10	-	-	-	2	207	209						
1	26	59	2	13	-	-	-	0	5	5						
2	2	59	2	17	-	-	-	3	6	9						
2	9	59	2	24	0	0	0	2	6	8						
3	2	59	3	12	-	-	-	463	271	734						
3	9	59	3	18	1	0	1	102	188	290						
3	16	59	3	25	-	-	-	191	112	303						
3	23	59	4	3	-	-	-	267	130	397						
3	30	59	4	8	-	-	-	343	186	529						
4	6	59	4	15	0	0	0	135	119	254						
4	20	59	4	30	-	-	-	100	104	204						
5	4	59	5	13	-	-	-	52	220	272						
5	11	59	5	21	0	0	0	76	12	88						
6	15	59	6	30	-	-	-	73	145	218						
6	22	59	7	7	-	-	-	162	93	255						
6	29	59	7	9	-	-	-	21	119	140						
7	1	59	7	17	0	0	0	153	77	230						
7	6	59	7	14	-	-	-	17	13	30						
7	20	59	7	30	-	-	-	3	13	16						
7	27	59	8	6	-	-	-	1	15	16						
8	10	59	8	18	3	2	5	3	9	12						
8	17	59	8	26	-	-	-	21	13	34						
8	24	59	8	28	-	-	-	13	11	24						
9	21	59	9	30	-	-	-	1	6	7						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: IOWA
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: MISSISSIPPI-WAPSIPINICON & TRIB.
STATION LOCATION: MISSISSIPPI RIVER AT DUBUQUE, IOWA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l			μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
12	8	58	12	23	-	-	-	10	22	32							
12	15	58	1	7	-	-	-	11	19	30							
12	22	58	1	12	-	-	-	0	2	2							
12	29	58	1	14	-	-	-	0	26	26							
1	5	59	1	26	-	-	-	0	61	61							
1	12	59	1	30	-	-	-	4	1	5							
1	19	59	2	5	-	-	-	8	13	21							
1	26	59	2	12	-	-	-	13	22	35							
2	2	59	2	17	-	-	-	0	19	19							
2	9	59	3	2	0	0	0	1	12	13							
2	16	59	3	6	-	-	-	4	21	25							
2	23	59	3	10	-	-	-	0	14	14							
3	2	59	3	13	-	-	-	10	34	44							
3	9	59	3	19	0	0	0	11	42	53							
3	16	59	3	26	0	0	0	25	116	141							
4	1	59	4	14	0	1	1	139	177	316							
4	6	59	4	14	1	0	1	76	90	166							
4	13	59	4	28	-	-	-	23	7	30							
5	4	59	5	13	-	-	-	21	262	283							
5	11	59	5	21	0	0	0	39	99	138							
5	18	59	5	29	-	-	-	23	850	873							
5	26	59	6	5	-	-	-	16	59	75							
6	1	59	6	15	-	-	-	8	14	22							
6	8	59	6	16	0	0	0	75	108	183							
6	15	59	6	30	-	-	-	11	25	36							
7	20	59	7	31	-	-	-	0	11	11							
8	10	59	8	18	0	1	1	1	9	10							
8	17	59	8	26	-	-	-	0	0	0							
8	24	59	10	30	-	-	-	3	42	45							
8	31	59	9	10	-	-	-	3	16	19							
9	29	59	10	8	-	-	-	6	3	9							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MINNESOTA
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: UPPER PORTION UPPER MISSISSIPPI
STATION LOCATION: MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMI-NATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL					
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	ALPHA μμc/g	BETA μμc/g	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l
10	6	58	10	15	-	-	-	7	44	51						
10	14	58	10	23	-	-	-	5	8	13						
10	21	58	10	29	-	-	-	14	29	43						
10	28	58	11	6	1	0	1	6	34	40						
11	4	58	11	17	-	-	-	19	21	40						
11	10	58	11	21	-	-	-	10	29	39						
11	18	58	12	1	-	-	-	6	30	36						
11	25	58	12	10	0	0	0	9	27	36						
12	2	58	12	16	0	0	0	9	33	42						
12	9	58	12	24	-	-	-	23	58	81						
1	6	59	1	22	-	-	-	1	22	23						
1	13	59	1	29	-	-	-	0	15	15						
1	20	59	2	5	-	-	-	3	30	33						
1	27	59	2	12	-	-	-	0	32	32						
2	3	59	2	18	-	-	-	15	25	40						
2	10	59	2	25	0	0	0	0	12	12						
2	17	59	3	5	-	-	-	0	5	5						
2	25	59	3	10	-	-	-	0	0	0						
3	3	59	3	13	-	-	-	8	36	44						
3	11	59	3	23	0	0	0	3	14	17						
3	17	59	3	26	-	-	-	11	13	24						
3	24	59	4	3	-	-	-	17	54	71						
3	30	59	4	10	-	-	-	0	58	58						
4	6	59	4	16	0	0	0	9	70	79						
4	14	59	4	23	-	-	-	50	108	158						
4	20	59	4	30	-	-	-	14	118	132						
4	28	59	5	11	-	-	-	47	28	75						
5	5	59	5	18	-	-	-	81	61	142						
5	12	59	5	22	0	0	0	0	14	14						
5	19	59	6	1	-	-	-	22	409	431						
5	26	59	6	8	-	-	-	2	34	36						
6	3	59	6	15	-	-	-	1	74	75						
6	8	59	6	19	0	0	0	10	16	26						
6	15	59	6	30	0	0	0	11	42	53						
6	22	59	7	7	-	-	-	8	64	72						
6	29	59	7	14	-	-	-	1	18	19						
7	6	59	7	14	-	-	-	50	14	64						
7	13	59	7	28	0	0	0	0	1	1						
7	20	59	7	31	-	-	-	20	67	87						
7	28	59	8	10	-	-	-	11	19	30						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MINNESOTA

MAJOR BASIN: UPPER MISSISSIPPI RIVER

SUB BASIN: UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION: MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY			GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	4	59	8	12	-	-	-	0	19	19						
8	11	59	8	19	0	1	1	5	16	21						
8	18	59	8	27	-	-	-	2	2	4						
8	25	59	9	3	-	-	-	0	0	0						
9	1	59	9	10	-	-	-	1	18	19						
9	9	59	9	17	1	0	1	5	13	18						
9	29	59	10	6	-	-	-	0	13	13						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MISSOURI
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER M36 AT ST. LOUIS, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY				
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	μμc/g	μμc/g	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l
10	6	58	10	24	-	-	-	0	37	37							
10	13	58	10	24	-	-	-	507	38	545							
10	20	58	11	3	-	-	-	11	25	36							
10	27	58	11	6	4	2	6	23	28	51							
11	3	58	11	19	-	-	-	8	25	33							
11	10	58	11	24	-	-	-	10	34	44							
11	17	58	12	1	-	-	-	52	42	94							
11	24	58	12	10	6	0	6	98	37	135							
12	1	58	12	16	3	5	8	16	18	34							
12	8	58	12	24	-	-	-	29	193	222							
12	22	58	1	12	-	-	-	13	26	39							
12	29	58	1	20	2	2	4	6	0	6							
1	5	59	1	21	1	0	0	70	143	213							
1	12	59	1	30	-	-	-	0	5	5							
1	19	59	1	30	-	-	-	31	60	91							
1	26	59	2	10	-	-	-	33	12	45							
2	2	59	2	16	-	-	-	12	45	57							
2	9	59	3	3	-	-	-	15	24	39							
2	16	59	3	4	14	4	18	28	16	44							
2	24	59	3	10	-	-	-	86	17	103							
3	2	59	3	12	-	-	-	117	66	183							
3	9	59	3	19	-	-	-	291	89	380							
3	16	59	3	27	8	3	11	97	187	284							
3	23	59	4	1	-	-	-	71	46	117							
3	30	59	5	1	-	-	-	444	80	524							
4	6	59	4	20	-	-	-	291	88	379							
4	13	59	4	23	7	0	7	99	43	142							
4	20	59	4	30	-	-	-	117	90	207							
4	27	59	5	12	-	-	-	169	41	210							
5	4	59	5	18	-	-	-	138	48	186							
5	11	59	5	21	-	-	-	288	24	312							
5	18	59	5	29	43	0	43	638	61	699							
5	25	59	6	8	-	-	-	458	162	620							
6	1	59	6	15	-	-	-	297	21	318							
6	8	59	6	19	-	-	-	109	62	171							
6	15	59	7	6	0	0	0	64	12	76							
6	22	59	7	7	-	-	-	57	0	57							
6	29	59	7	14	-	-	-	0	3	3							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MISSOURI
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER M36 AT ST. LOUIS, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL					
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	ALPHA μμc/g	BETA μμc/g	SUSPENDED μμc/l	DISSOLVED μμc/l	TOTAL μμc/l
7	6	59	8	7	-	-	-	186	0	186						
7	13	59	7	29	-	-	-	211	0	211						
7	20	59	8	4	21	5	26	59	7	66						
7	27	59	8	11	-	-	-	27	10	37						
8	3	59	8	13	-	-	-	43	28	71						
8	10	59	8	18	-	-	-	130	0	130						
8	17	59	8	27	3	3	6	21	21	42						
8	24	59	9	2	-	-	-	44	17	61						
8	31	59	9	11	-	-	-	37	16	53						
9	14	59	9	24	5	8	13	22	38	60						
9	21	59	10	1	-	-	-	28	0	28						
9	28	59	10	6	-	-	-	61	2	63						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: KANSAS
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	µµc/l	µµc/l	µµc/l	µµc/l	µµc/l	µµc/l	MO DAY	µµc/g	µµc/g	µµc/l	µµc/l	µµc/l
10	6	58	10	16	-	-	-	12	50	62						
10	13	58	10	24	-	-	-	34	69	103						
10	20	58	10	31	-	-	-	12	21	33						
10	27	58	11	6	3	7	10	16	35	51						
11	3	58	11	14	-	-	-	2	9	11						
11	10	58	11	20	-	-	-	7	24	31						
11	17	58	12	1	-	-	-	316	15	331						
11	24	58	12	9	2	4	6	23	42	65						
12	1	58	12	15	1	6	7	12	20	32						
12	8	58	12	18	-	-	-	7	18	25						
12	15	58	1	6	-	-	-	0	29	29						
12	22	58	1	12	-	-	-	12	33	45						
12	29	58	1	14	-	-	-	16	26	42						
1	5	59	1	26	-	-	-	7	18	25						
1	12	59	1	28	-	-	-	4	65	69						
1	19	59	2	6	-	-	-	5	15	20						
1	26	59	2	10	-	-	-	0	83	83						
2	2	59	2	13	-	-	-	72	45	117						
2	9	59	2	24	-	-	-	28	11	39						
2	16	59	3	4	12	1	13	149	63	212						
2	24	59	3	6	-	-	-	16	35	51						
3	2	59	3	11	-	-	-	234	54	288						
3	9	59	3	19	-	-	-	70	53	123						
3	16	59	3	26	12	1	13	138	36	174						
3	23	59	4	17	-	-	-	271	53	324						
3	30	59	4	13	-	-	-	444	127	571						
4	6	59	4	13	-	-	-	120	53	173						
4	13	59	4	23	8	3	11	90	55	145						
4	20	59	5	1	-	-	-	201	62	263						
4	27	59	5	12	-	-	-	156	186	342						
5	4	59	5	13	-	-	-	36	16	52						
5	11	59	6	26	-	-	-	213	0	213						
5	18	59	5	29	0	0	0	92	44	136						
5	25	59	6	5	-	-	-	169	16	185						
6	1	59	6	15	-	-	-	283	128	417						
6	8	59	6	16	-	-	-	212	71	283						
6	15	59	6	30	10	6	16	333	41	374						
6	22	59	7	7	-	-	-	26	51	77						
6	29	59	7	9	-	-	-	70	26	96						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: KANSAS
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMI-NATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMI-NATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7	15	-	-	-	305	0	305							
7	13	59	7	28	-	-	-	140	75	215							
7	20	59	7	31	7	9	16	33	23	56							
7	28	59	8	7	-	-	-	31	37	68							
8	10	59	8	14	-	-	-	47	10	57							
8	17	59	8	27	6	3	9	53	14	67							
8	24	59	9	1	-	-	-	38	0	38							
8	31	59	9	10	-	-	-	59	39	98							
9	8	59	9	17	-	-	-	53	47	100							
9	14	59	9	23	4	2	6	26	4	30							
9	21	59	10	1	-	-	-	101	36	137							
9	28	59	10	6	-	-	-	164	0	164							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT ST. JOSEPH, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	13	58	10	24	-	-	-	7	27	34						
10	22	58	11	3	-	-	-	45	25	70						
10	27	58	11	6	9	5	14	11	37	48						
11	3	58	11	18	-	-	-	5	14	19						
11	18	58	12	2	-	-	-	32	38	70						
11	24	58	12	11	2	2	4	21	34	55						
12	1	58	12	15	1	5	6	5	43	48						
12	8	58	12	24	-	-	-	4	22	26						
12	15	58	1	12	-	-	-	3	16	19						
12	22	58	1	13	-	-	-	1	8	9						
12	29	58	1	13	-	-	-	17	25	42						
1	5	59	1	21	0	12	12	0	59	59						
1	12	59	1	28	-	-	-	4	37	41						
1	19	59	2	9	-	-	-	0	20	20						
1	27	59	2	10	-	-	-	3	28	31						
2	2	59	2	13	-	-	-	2	0	2						
2	10	59	3	2	-	-	-	11	38	49						
2	16	59	3	5	0	0	0	78	64	142						
2	24	59	3	9	-	-	-	9	16	25						
3	3	59	3	11	-	-	-	182	80	262						
3	9	59	3	19	-	-	-	35	33	68						
3	16	59	3	26	0	0	0	387	92	459						
3	23	59	4	3	-	-	-	140	120	260						
3	30	59	4	8	-	-	-	339	87	426						
4	6	59	4	13	-	-	-	112	62	174						
4	13	59	4	23	13	0	13	60	49	109						
4	20	59	4	30	-	-	-	498	60	558						
4	27	59	5	7	-	-	-	76	71	147						
5	4	59	5	18	-	-	-	361	53	414						
5	12	59	5	21	-	-	-	711	12	723						
5	18	59	5	29	194	0	194	1380	97	1477						
5	25	59	6	26	-	-	-	684	34	718						
6	3	59	6	12	-	-	-	1302	64	1366						
6	8	59	6	16	-	-	-	85	0	85						
6	15	59	6	30	187	4	191	675	119	794						
6	22	59	7	7	-	-	-	48	28	76						
6	29	59	7	9	-	-	-	0	0	0						
7	6	59	8	6	-	-	-	58	36	94						
7	13	59	7	28	-	-	-	30	13	43						
7	21	59	8	4	5	10	15	82	11	93						
7	27	59	8	6	-	-	-	49	28	77						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MISSOURI
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION: MISSOURI RIVER AT ST. JOSEPH, MISSOURI

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
8	3	59	8 13	-	-	-	444	24	468						
8	11	59	8 19	-	-	-	32	19	51						
8	17	59	8 26	5	17	22	63	22	85						
8	18	59	8 28	-	-	-	5	11	16						
8	25	59	9 1	-	-	-	13	24	37						
8	31	59	9 16	-	-	-	0	5	5						
9	8	59	9 15	-	-	-	64	13	77						
9	14	59	9 24	5	5	10	25	28	53						
9	21	59	10 1	-	-	-	124	17	141						
9	29	59	10 13	-	-	-	194	67	261						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: NEBRASKA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER AT OMAHA, NEBRASKA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l		MO DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	6	58	10	15	-	-	-	0	105	105							
10	13	58	10	23	-	-	-	7	34	41							
10	20	58	10	31	-	-	-	38	51	89							
10	27	58	11	7	2	3	5	28	48	76							
11	3	58	11	17	-	-	-	40	2	42							
11	10	58	11	20	-	-	-	10	28	38							
11	17	58	12	1	-	-	-	9	24	33							
11	24	58	12	10	1	7	8	29	32	61							
12	1	58	12	15	0	1	1	17	46	63							
12	8	58	12	23	-	-	-	9	34	43							
12	15	58	12	24	-	-	-	0	30	30							
12	22	58	1	7	-	-	-	2	14	16							
12	29	58	1	20	2	5	7	2	13	15							
1	5	59	1	26	-	-	-	0	15	15							
1	12	59	1	29	-	-	-	14	18	32							
1	19	59	2	5	-	-	-	8	62	70							
1	26	59	2	10	-	-	-	0	155	155							
2	2	59	2	17	-	-	-	0	0	0							
2	9	59	2	24	-	-	-	0	6	6							
2	16	59	3	5	2	1	3	12	0	12							
2	23	59	3	6	2	1	3	11	42	53							
3	2	59	3	12	-	-	-	117	60	177							
3	9	59	3	19	-	-	-	25	96	121							
3	16	59	3	26	7	5	12	40	34	74							
3	23	59	4	3	-	-	-	107	43	150							
3	30	59	4	8	-	-	-	133	80	213							
4	6	59	4	15	-	-	-	55	43	98							
4	13	59	4	22	1	0	1	30	36	66							
4	23	59	5	1	-	-	-	107	15	122							
4	27	59	5	8	-	-	-	39	46	85							
5	4	59	5	13	-	-	-	12	9	21							
5	11	59	5	21	-	-	-	87	25	112							
5	18	59	5	29	3	4	7	120	65	185							
5	25	59	6	5	-	-	-	57	61	118							
6	1	59	8	12	-	-	-	479	133	612							
6	15	59	7	6	0	0	0	19	4	23							
6	22	59	7	2	-	-	-	7	26	33							
6	29	59	7	9	-	-	-	169	17	186							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: NEBRASKA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER AT OMAHA, NEBRASKA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
7	6	59	7	15	-	-	-	27	11	38						
7	13	59	7	28	-	-	-	3	0	3						
7	20	59	7	31	16	6	22	21	12	33						
7	27	59	8	24	-	-	-	25	0	25						
8	3	59	8	12	-	-	-	51	14	65						
8	10	59	8	14	-	-	-	12	1	13						
8	17	59	8	27	6	0	6	0	17	17						
8	24	59	9	1	-	-	-	17	25	42						
8	31	59	9	10	-	-	-	19	22	41						
9	7	59	9	14	-	-	-	34	47	81						
9	14	59	9	24	3	6	9	16	14	30						
9	21	59	9	28	-	-	-	24	44	68						
9	28	59	10	8	-	-	-	12	0	12						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE SOUTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT YANKTON, SOUTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY			GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO DAY	ppc/g	ppc/g		ppc/l	ppc/l	ppc/l
10	6	58	10	15	-	-	-	14	51	65							
10	13	58	10	24	-	-	-	5	43	48							
10	20	58	11	5	1	2	3	0	25	25							
10	27	58	11	10	0	1	1	0	6	6							
11	3	58	11	14	-	-	-	6	45	51							
11	10	58	11	25	-	-	-	0	22	22							
11	17	58	12	2	-	-	-	6	20	26							
11	24	58	12	10	0	1	1	3	35	38							
12	1	58	12	16	0	1	1	0	18	18							
12	8	58	12	24	-	-	-	2	34	36							
12	15	58	1	9	-	-	-	3	23	26							
12	22	58	1	13	-	-	-	1	15	16							
12	29	58	1	26	0	5	5	0	28	28							
1	12	59	1	29	-	-	-	4	7	11							
1	19	59	2	5	-	-	-	0	15	15							
1	26	59	2	10	-	-	-	4	17	21							
2	2	59	2	17	-	-	-	0	22	22							
2	9	59	3	4	-	-	-	5	2	7							
2	16	59	3	6	0	2	2	0	8	8							
2	23	59	3	6	0	3	3	0	43	43							
3	2	59	3	11	-	-	-	4	19	23							
3	9	59	4	21	-	-	-	0	12	12							
3	16	59	3	27	0	3	3	14	34	48							
3	23	59	4	6	-	-	-	2	57	59							
3	30	59	4	10	-	-	-	8	40	48							
4	6	59	4	13	-	-	-	22	95	117							
4	13	59	4	27	1	5	6	0	23	23							
4	20	59	4	30	-	-	-	51	99	150							
4	27	59	5	12	-	-	-	0	12	12							
6	21	59	7	9	-	-	-	0	67	67							
6	22	59	7	7	-	-	-	12	110	122							
7	6	59	7	15	-	-	-	0	16	16							
7	13	59	7	29	-	-	-	2	77	79							
7	20	59	7	31	0	4	4	0	13	13							
7	27	59	8	12	-	-	-	4	21	25							
8	3	59	8	13	-	-	-	15	33	48							
8	10	59	8	19	-	-	-	0	25	25							
8	17	59	8	31	0	1	1	1	19	20							
8	24	59	9	3	-	-	-	0	72	72							
8	31	59	9	11	-	-	-	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: SOUTH DAKOTA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER AT YANKTON, SOUTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
9	8	59	9 17	-	-	-	6	26	32						
9	14	59	9 28	0	8	8	3	50	53						
9	21	59	10 1	-	-	-	0	0	0						
9	28	59	10 13	-	-	-	7	8	15						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER AT BISMARCK, NORTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER								RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	16	-	-	-	1	15	16						
10	14	58	10	24	-	-	-	40	18	58						
10	21	58	11	3	-	-	-	2	52	54						
10	28	58	11	7	0	4	4	3	18	21						
11	3	58	11	14	-	-	-	0	18	18						
11	12	58	11	24	-	-	-	0	8	8						
11	18	58	12	1	-	-	-	9	23	32						
11	25	58	12	11	12	4	16	33	22	55						
12	2	58	12	18	-	-	-	0	17	17						
12	8	58	12	24	-	-	-	1	18	19						
12	15	58	1	9	-	-	-	0	28	28						
12	31	58	1	19	0	0	0	0	21	21						
1	6	59	1	26	-	-	-	2	15	17						
1	13	59	1	30	-	-	-	43	24	72						
1	20	59	2	6	-	-	-	0	36	36						
1	27	59	2	12	-	-	-	12	0	12						
2	3	59	2	17	-	-	-	17	26	43						
2	9	59	3	3	0	1	1	8	27	35						
2	16	59	3	5	0	3	3	7	38	45						
2	24	59	3	10	-	-	-	28	0	28						
3	3	59	3	13	-	-	-	2	14	16						
3	10	59	3	23	-	-	-	14	72	86						
3	17	59	4	6	0	0	0	4	7	11						
3	24	59	4	6	-	-	-	27	73	100						
3	31	59	4	10	-	-	-	57	104	161						
4	6	59	4	20	-	-	-	25	69	94						
4	14	59	4	22	0	3	3	0	12	12						
4	20	59	5	4	-	-	-	11	27	38						
4	28	59	5	12	-	-	-	0	24	24						
5	5	59	5	18	-	-	-	15	60	75						
5	12	59	5	25	-	-	-	3	42	45						
5	20	59	6	2	0	0	0	106	268	374						
5	27	59	6	8	-	-	-	0	0	0						
6	2	59	6	15	-	-	-	0	18	18						
6	8	59	6	19	-	-	-	12	54	66						
6	15	59	7	6	0	0	0	51	71	122						
6	22	59	7	7	-	-	-	82	208	290						
6	29	59	7	14	-	-	-	0	10	10						
7	6	59	7	17	-	-	-	0	0	0						
7	13	59	7	29	-	-	-	0	9	9						
7	20	59	8	4	0	4	4	3	27	30						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: NORTH DAKOTA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: MISSOURI-SOURIS RIVERS
STATION LOCATION: MISSOURI RIVER AT BISMARCK, NORTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO DAY	ppc/g	ppc/g		ppc/l	ppc/l	ppc/l
8	4	59	8 14	-	-	-	0	0	0							
8	11	59	8 20	-	-	-	10	40	50							
8	18	59	8 27	0	5	5	15	20	35							
8	25	59	9 3	-	-	-	0	8	8							
9	1	59	9 15	-	-	-	0	32	32							
9	8	59	9 17	-	-	-	1	24	25							
9	14	59	9 28	0	1	1	0	19	19							
9	22	59	10 5	-	-	-	0	26	26							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMI-NATION		ALPHA			BETA			DATE OF DETERMI-NATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	8	58	10	17	-	-	-	7	21	28						
10	15	58	10	24	-	-	-	9	22	31						
10	23	58	11	3	-	-	-	254	72	326						
10	29	58	11	10	7	9	16	48	45	93						
11	5	58	11	18	-	-	-	10	25	35						
11	10	58	11	24	-	-	-	14	37	51						
11	17	58	12	1	-	-	-	13	31	44						
11	26	58	12	11	0	1	1	105	64	169						
12	1	58	12	16	0	1	1	1	29	30						
12	10	58	12	23	-	-	-	18	109	127						
12	17	58	1	6	-	-	-	0	28	28						
1	7	59	1	22	-	-	-	1	19	20						
1	12	59	1	29	-	-	-	1	4	5						
1	21	59	2	5	-	-	-	27	43	70						
1	28	59	2	11	-	-	-	2	8	10						
2	4	59	2	18	-	-	-	1	27	28						
2	9	59	3	2	-	-	-	0	0	0						
2	16	59	3	6	15	6	21	0	0	0						
2	25	59	3	10	-	-	-	109	17	126						
3	2	59	3	13	-	-	-	17	12	29						
3	9	59	3	20	-	-	-	40	79	119						
4	6	59	4	20	-	-	-	72	144	216						
4	13	59	4	24	12	5	17	125	27	152						
4	23	59	5	4	-	-	-	62	58	120						
4	29	59	5	12	-	-	-	55	73	128						
5	4	59	5	18	-	-	-	105	44	149						
5	14	59	5	25	-	-	-	185	80	265						
6	22	59	7	9	-	-	-	76	16	92						
6	29	59	7	14	-	-	-	115	2	117						
7	6	59	7	17	-	-	-	209	20	229						
7	15	59	7	29	-	-	-	24	2	26						
7	20	59	8	4	3	3	6	32	22	54						
7	29	59	8	10	-	-	-	5	2	7						
8	5	59	8	12	-	-	-	4	0	4						
8	12	59	8	20	-	-	-	33	22	55						
8	19	59	8	31	2	0	2	0	0	0						
8	26	59	9	2	-	-	-	21	22	43						
9	2	59	9	15	-	-	-	0	12	12						
9	10	59	9	21	-	-	-	4	1	5						
9	14	59	9	24	6	3	9	43	10	53						
9	30	59	10	9	-	-	-	33	5	38						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ILLINOIS

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT CAIRO, ILLINOIS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	16	-	-	-	2	38	40							
10	14	58	10	24	-	-	-	0	53	53							
10	20	58	10	29	-	-	-	4	28	32							
10	28	58	11	7	0	0	0	2	22	24							
11	4	58	11	17	-	-	-	6	50	56							
11	10	58	11	19	-	-	-	0	17	17							
11	17	58	12	1	-	-	-	8	22	30							
12	8	58	12	24	-	-	-	21	20	41							
12	15	58	1	6	-	-	-	0	23	23							
12	22	58	1	12	-	-	-	5	16	21							
12	29	58	1	16	-	-	-	4	21	25							
1	5	59	1	26	-	-	-	4	12	16							
1	12	59	1	30	-	-	-	7	28	35							
1	19	59	2	6	-	-	-	35	23	58							
1	26	59	2	11	-	-	-	194	16	210							
2	2	59	2	16	-	-	-	82	31	113							
2	9	59	2	26	0	1	1	30	76	106							
2	16	59	3	5	-	-	-	112	40	152							
2	24	59	3	10	-	-	-	109	24	133							
3	2	59	3	13	-	-	-	48	113	161							
3	10	59	3	23	2	0	2	52	92	144							
3	16	59	3	26	-	-	-	82	11	93							
3	23	59	4	3	-	-	-	92	67	159							
3	30	59	4	8	-	-	-	20	7	27							
4	6	59	4	16	0	0	0	33	70	103							
4	13	59	4	23	-	-	-	44	39	83							
4	20	59	5	1	-	-	-	45	21	66							
4	27	59	5	11	-	-	-	32	78	110							
5	4	59	5	18	-	-	-	25	62	87							
5	11	59	5	22	3	7	10	30	53	83							
5	18	59	6	1	-	-	-	39	26	65							
5	25	59	6	9	-	-	-	10	7	17							
6	1	59	6	15	-	-	-	48	54	102							
6	8	59	6	16	0	0	0	18	71	89							
6	15	59	6	30	-	-	-	8	242	250							
6	22	59	7	7	-	-	-	4	19	23							
6	29	59	7	9	-	-	-	2	5	7							
7	6	59	7	15	-	-	-	0	1	1							
7	13	59	7	27	0	0	0	0	88	88							
7	20	59	8	4	-	-	-	2	9	11							
7	27	59	8	7	-	-	-	4	23	27							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ILLINOIS

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT CAIRO, ILLINOIS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	10	59	8	18	-	-	-	0	0	0						
8	17	59	8	26	-	-	-	2	3	5						
8	24	59	9	2	-	-	-	4	5	9						
9	1	59	9	11	-	-	-	0	16	16						
9	7	59	9	17	0	0	0	5	0	5						
9	14	59	9	22	-	-	-	0	2	2						
9	21	59	10	5	-	-	-	5	8	13						
9	28	59	10	6	-	-	-	0	23	23						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: INDIANA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT EVANSVILLE, INDIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	6	58	10	15	-	-	-	2	31	33						
10	14	58	10	24	-	-	-	0	37	37						
10	20	58	10	31	-	-	-	1	24	25						
10	29	58	11	5	0	0	0	0	40	40						
11	3	58	11	14	-	-	-	0	17	17						
11	10	58	11	19	-	-	-	1	37	38						
11	17	58	12	1	-	-	-	0	45	45						
11	24	58	12	4	-	-	-	3	25	28						
12	1	58	12	12	0	2	2	2	21	23						
12	8	58	12	23	-	-	-	6	14	20						
12	15	58	1	5	-	-	-	10	57	67						
1	12	59	1	28	-	-	-	0	0	0						
1	19	59	1	30	-	-	-	16	22	38						
1	27	59	2	10	-	-	-	124	44	168						
2	2	59	2	13	-	-	-	29	13	42						
2	16	59	3	4	-	-	-	115	39	154						
2	26	59	3	10	-	-	-	144	9	153						
3	2	59	3	11	-	-	-	30	6	36						
3	10	59	3	19	4	0	4	22	8	30						
3	16	59	3	26	-	-	-	36	27	63						
3	30	59	4	8	-	-	-	5	78	83						
4	6	59	4	17	1	5	6	46	17	63						
4	14	59	4	23	-	-	-	26	27	53						
4	29	59	5	12	-	-	-	23	13	36						
8	10	59	8	19	1	0	1	0	19	19						
9	1	59	9	10	-	-	-	5	3	8						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT CINCINNATI, OHIO

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	1	58	10	10	0	-	-	6	26	32						
10	6	58	10	15	-	-	-	3	26	29						
10	15	58	10	24	-	-	-	0	7	7						
10	22	58	10	29	-	-	-	2	34	36						
10	29	58	11	7	0	0	0	7	26	33						
11	5	58	11	17	-	-	-	8	51	59						
11	12	58	11	20	-	-	-	6	22	28						
11	18	58	11	28	-	-	-	7	38	45						
11	26	58	12	11	0	1	1	2	26	28						
12	3	58	12	12	0	0	0	29	135	164						
12	10	58	12	23	-	-	-	52	33	85						
12	17	58	1	6	-	-	-	26	13	39						
12	24	58	1	9	-	-	-	3	25	28						
12	29	58	1	16	-	-	-	16	22	38						
1	7	59	1	21	0	0	0	84	91	175						
1	14	59	1	29	-	-	-	10	22	32						
1	21	59	2	5	-	-	-	117	30	147						
1	28	59	2	9	-	-	-	60	12	72						
2	4	59	2	13	-	-	-	54	12	66						
2	9	59	2	26	1	0	1	69	20	89						
2	18	59	3	5	19	0	19	67	21	88						
2	25	59	3	9	-	-	-	20	50	70						
3	4	59	3	12	-	-	-	63	34	97						
3	9	59	3	20	1	0	1	47	26	73						
3	18	59	3	26	-	-	-	31	7	38						
3	25	59	4	3	-	-	-	31	26	57						
4	1	59	4	9	-	-	-	47	24	71						
4	6	59	4	16	3	1	4	122	10	132						
4	15	59	4	23	-	-	-	66	29	95						
4	20	59	5	4	-	-	-	44	20	64						
4	29	59	5	12	-	-	-	32	10	42						
5	6	59	5	18	-	-	-	35	20	55						
5	13	59	5	22	4	0	4	57	18	75						
5	20	59	6	1	-	-	-	142	38	180						
5	27	59	6	5	-	-	-	11	6	17						
6	1	59	6	12	-	-	-	21	30	51						
6	8	59	8	14	2	1	3	15	23	38						
6	15	59	6	30	-	-	-	0	9	9						
6	22	59	7	9	-	-	-	17	63	80						
6	29	59	7	14	-	-	-	0	17	617						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT CINCINNATI, OHIO

Date Sample Taken			RADIOACTIVITY IN WATER						RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7 15	-	-	-	0	5	5						
7	13	59	7 27	0	0	0	0	7	7						
7	20	59	7 31	-	-	-	3	17	20						
7	29	59	8 6	-	-	-	8	15	23						
8	5	59	8 12	-	-	-	1	10	11						
8	12	59	8 18	0	0	0	28	0	28						
8	19	59	8 26	-	-	-	1	10	11						
8	26	59	9 1	-	-	-	6	19	25						
9	2	59	9 10	-	-	-	4	3	7						
9	8	59	9 16	0	0	0	10	6	16						
9	14	59	9 23	-	-	-	9	62	71						
9	23	59	9 30	-	-	-	2	1	3						
9	28	59	10 8	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE WEST VIRGINIA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER								RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	14	0	0	0	6	19	25						
10	13	58	10	24	-	-	-	0	20	20						
10	20	58	10	31	-	-	-	6	37	43						
10	27	58	11	5	1	1	2	0	21	21						
11	3	58	11	14	-	-	-	9	62	71						
11	10	58	11	19	-	-	-	0	15	15						
11	17	58	11	28	-	-	-	0	39	39						
11	24	58	12	9	0	1	1	3	24	27						
12	1	58	12	12	0	0	0	1	73	74						
12	8	58	12	18	-	-	-	23	14	37						
12	15	58	1	6	-	-	-	10	15	25						
12	23	58	1	7	-	-	-	6	21	27						
12	29	58	1	14	-	-	-	1	13	14						
1	5	59	1	20	0	0	0	18	19	27						
1	13	59	1	6	-	-	-	4	0	4						
1	19	59	2	5	-	-	-	29	4	33						
1	26	59	2	11	-	-	-	83	20	103						
2	2	59	2	13	-	-	-	52	18	70						
2	9	59	2	24	-	-	-	43	26	69						
2	16	59	3	4	-	-	-	67	36	103						
2	23	59	3	6	-	-	-	36	33	69						
3	2	59	3	11	-	-	-	36	5	41						
3	9	59	3	19	2	0	2	70	27	97						
3	16	59	3	26	-	-	-	33	12	45						
3	23	59	4	2	-	-	-	54	51	119						
3	30	59	4	8	-	-	-	31	27	58						
4	6	59	4	14	2	0	2	267	27	294						
4	13	59	4	23	-	-	-	49	19	68						
4	20	59	4	29	-	-	-	58	24	82						
4	27	59	5	8	-	-	-	13	10	23						
5	4	59	5	13	-	-	-	75	24	99						
5	11	59	5	21	0	1	1	13	34	47						
5	18	59	5	29	-	-	-	11	304	315						
5	25	59	6	5	-	-	-	0	0	0						
6	1	59	6	12	-	-	-	0	7	7						
6	8	59	6	16	1	1	2	26	27	53						
6	15	59	6	30	-	-	-	0	1	1						
6	22	59	7	7	-	-	-	0	6	6						
6	29	59	7	9	-	-	-	13	35	48						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WEST VIRGINIA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7	14	-	-	-	16	6	22							
7	13	59	7	27	0	0	0	8	84	92							
7	20	59	7	31	-	-	-	40	83	123							
7	27	59	8	6	-	-	-	14	19	33							
8	3	59	8	12	-	-	-	3	18	21							
8	10	59	8	14	4	8	12	0	9	9							
8	17	59	8	26	-	-	-	12	8	20							
8	24	59	9	1	-	-	-	0	5	5							
8	31	59	9	9	-	-	-	11	12	23							
9	8	59	9	16	0	0	0	0	0	0							
9	14	59	9	22	-	-	-	0	2	2							
9	21	59	9	28	-	-	-	9	17	26							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT EAST LIVERPOOL, OHIO

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION		GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL				ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
11	17	58	11	28	-	-	-	11	32	43								
11	24	58	12	10	0	0	0	9	316	325								
12	1	58	12	12	1	1	2	2	8	20								
12	8	58	12	18	-	-	-	15	0	15								
12	22	58	1	9	-	-	-	0	7	7								
1	6	59	1	21	3	0	3	74	28	102								
1	12	59	1	28	-	-	-	9	7	16								
1	26	59	2	11	-	-	-	51	29	80								
2	2	59	2	13	-	-	-	44	25	69								
2	9	59	2	25	2	0	2	19	21	40								
2	17	59	3	4	-	-	-	33	17	50								
2	24	59	3	9	-	-	-	4	0	4								
3	2	59	3	13	-	-	-	25	15	40								
3	9	59	3	19	0	0	0	74	38	112								
3	16	59	3	27	-	-	-	31	16	47								
3	23	59	4	2	-	-	-	40	19	59								
3	31	59	4	10	-	-	-	28	21	49								
4	7	59	4	16	2	1	3	83	16	99								
4	13	59	4	21	-	-	-	21	39	60								
4	20	59	4	30	-	-	-	15	36	51								
4	28	59	5	8	-	-	-	66	46	112								
5	4	59	5	18	-	-	-	7	17	24								
5	12	59	5	22	3	1	4	23	13	36								
5	19	59	6	18	-	-	-	0	4	4								
6	1	59	6	12	-	-	-	2	22	24								
6	8	59	6	16	0	0	0	5	23	28								
6	15	59	6	30	-	-	-	29	30	59								
6	29	59	7	9	-	-	-	34	82	116								
7	6	59	7	14	-	-	-	0	30	30								
7	13	59	7	27	0	0	0	0	7	7								
7	20	59	7	31	-	-	-	4	9	13								
8	10	59	8	18	0	0	0	0	3	3								
8	24	59	9	1	-	-	-	0	0	0								
9	1	59	9	10	-	-	-	0	15	15								
9	14	59	9	23	-	-	-	0	0	0								
9	21	59	9	30	-	-	-	0	0	0								

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MARYLAND
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: POTOMAC RIVER
STATION LOCATION: POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	ppc/l	MO. DAY	ppc/g	ppc/g	ppc/l	ppc/l	ppc/l
10	6	58	10	17	-	-	-	5	20	25						
10	13	58	10	23	-	-	-	7	35	42						
10	20	58	10	29	-	-	-	0	12	12						
10	27	58	11	5	0	0	0	2	60	62						
11	3	58	11	14	-	-	-	24	0	24						
11	10	58	11	19	-	-	-	9	53	62						
11	17	58	11	28	-	-	-	0	60	60						
11	24	58	12	9	0	1	1	12	2	14						
12	1	58	12	15	0	0	0	15	26	41						
12	8	58	12	19	-	-	-	18	46	64						
12	22	58	1	12	-	-	-	0	11	11						
12	29	58	1	13	-	-	-	0	19	19						
1	5	59	1	23	0	0	0	103	60	163						
1	12	59	1	29	-	-	-	9	26	35						
1	19	59	2	9	-	-	-	0	28	28						
2	2	59	2	24	-	-	-	15	14	29						
2	16	59	3	9	-	-	-	25	23	48						
3	2	59	3	16	1	0	1	11	14	25						
3	9	59	3	20	-	-	-	47	33	80						
3	16	59	3	26	-	-	-	28	19	47						
3	23	59	4	2	-	-	-	26	44	70						
3	31	59	4	13	0	0	0	13	52	65						
4	6	59	4	13	-	-	-	31	39	70						
4	13	59	4	22	-	-	-	42	49	91						
4	20	59	4	30	-	-	-	33	17	50						
4	27	59	5	8	-	-	-	7	203	210						
5	4	59	5	19	0	0	0	13	10	23						
5	11	59	5	21	-	-	-	0	14	14						
5	18	59	5	29	-	-	-	19	52	71						
5	25	59	6	5	-	-	-	2	19	21						
6	1	59	6	12	0	0	0	7	19	26						
6	8	59	6	16	-	-	-	2	10	12						
6	15	59	6	30	-	-	-	7	0	7						
6	22	59	7	7	-	-	-	8	34	42						
6	29	59	7	14	-	-	-	3	0	3						
7	6	59	7	14	0	0	0	0	0	0						
7	13	59	7	28	-	-	-	0	1	1						
7	20	59	7	31	-	-	-	0	2	2						
7	27	59	8	7	-	-	-	0	7	7						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	3	59	8	10	0	1	1	6	18	24						
8	11	59	8	18	-	-	-	5	17	22						
8	17	59	8	27	-	-	-	5	9	14						
8	24	59	9	2	-	-	-	11	7	18						
8	31	59	9	3	-	-	-	24	36	60						
9	7	59	9	14	-	-	-	3	0	3						
9	14	59	9	24	-	-	-	6	8	14						
9	21	59	9	28	-	-	-	3	11	14						
9	28	59	10	6	-	-	-	3	10	13						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	16	-	-	-	0	38	38						
10	13	58	10	24	-	-	-	0	0	0						
10	20	58	10	31	-	-	-	10	18	28						
11	4	58	11	18	-	-	-	1	31	32						
11	11	58	11	24	-	-	-	7	47	54						
11	17	58	11	28	-	-	-	17	28	45						
11	24	58	12	10	0	0	0	5	33	38						
12	1	58	12	12	1	0	1	5	64	69						
12	8	58	12	23	-	-	-	0	2	2						
12	15	58	1	12	-	-	-	12	16	28						
1	5	59	1	22	-	-	-	28	28	56						
1	12	59	1	29	-	-	-	5	16	21						
1	19	59	2	9	-	-	-	17	43	60						
1	26	59	2	10	-	-	-	17	13	30						
2	2	59	2	17	0	0	0	16	26	42						
2	9	59	2	27	1	1	2	15	15	30						
2	16	59	3	9	-	-	-	10	19	29						
2	23	59	3	11	-	-	-	10	11	21						
3	2	59	3	16	-	-	-	21	46	67						
3	9	59	3	23	-	-	-	23	19	42						
3	16	59	3	30	-	-	-	32	44	76						
4	6	59	4	13	-	-	-	16	17	33						
4	13	59	4	28	-	-	-	52	16	68						
4	20	59	5	8	-	-	-	11	16	27						
4	27	59	5	11	-	-	-	14	25	39						
5	4	59	5	19	0	0	0	0	0	0						
5	11	59	5	25	-	-	-	0	4	4						
5	18	59	5	29	-	-	-	14	72	86						
5	25	59	6	9	-	-	-	14	0	14						
6	8	59	6	19	-	-	-	3	0	3						
6	15	59	6	30	-	-	-	8	30	38						
6	22	59	7	7	-	-	-	20	12	32						
6	29	59	7	9	-	-	-	2	20	22						
7	6	59	7	15	0	0	0	0	0	0						
7	13	59	7	29	-	-	-	0	5	5						
7	20	59	7	30	-	-	-	0	3	3						
7	27	59	8	12	-	-	-	1	38	39						
8	3	59	8	11	0	0	0	0	7	7						
8	10	59	8	18	-	-	-	16	0	16						
8	17	59	8	27	-	-	-	2	6	8						
8	31	59	9	14	0	0	0	0	7	7						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
9	8	59	9	21	-	-	-	0	1	1							
9	14	59	9	28	-	-	-	8	38	46							
9	21	59	10	5	-	-	-	4	4	8							
9	28	59	10	12	-	-	-	8	12	20							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: LOUISIANA
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: LOWER RED RIVER BELOW DENISON
STATION LOCATION: RED RIVER AT ALEXANDRIA, LOUISIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	10	58	10	20	-	-	-	0	14	14							
10	13	58	10	23	-	-	-	6	4	10							
10	20	58	11	3	-	-	-	5	88	93							
10	27	58	11	7	1	0	1	0	11	11							
11	3	58	11	14	-	-	-	5	12	17							
11	10	58	11	20	-	-	-	7	42	49							
11	17	58	11	28	-	-	-	24	44	68							
11	24	58	12	11	4	0	4	61	14	75							
12	1	58	12	15	0	0	0	13	7	20							
12	8	58	12	18	-	-	-	22	16	38							
12	15	58	1	9	-	-	-	44	24	68							
1	5	59	1	22	-	-	-	6	11	17							
1	12	59	1	30	-	-	-	13	20	33							
1	19	59	2	6	-	-	-	26	28	54							
1	26	59	2	11	-	-	-	14	12	26							
2	3	59	2	17	-	-	-	132	63	195							
2	9	59	3	3	-	-	-	48	51	99							
2	16	59	3	5	2	0	2	39	67	106							
2	23	59	3	10	-	-	-	95	6	101							
3	2	59	3	12	-	-	-	47	31	78							
3	9	59	3	20	-	-	-	103	51	154							
3	16	59	3	27	10	0	10	270	95	365							
3	24	59	4	6	-	-	-	100	42	142							
3	30	59	4	10	-	-	-	36	53	89							
4	6	59	4	14	-	-	-	104	40	144							
4	13	59	4	22	11	0	11	202	67	269							
4	27	59	5	12	-	-	-	74	42	116							
5	4	59	5	18	-	-	-	174	209	383							
5	18	59	6	2	0	1	1	21	140	161							
5	25	59	6	8	-	-	-	81	16	97							
6	2	59	6	15	-	-	-	53	158	211							
6	15	59	6	30	0	0	0	71	61	132							
6	22	59	7	9	-	-	-	35	165	200							
6	29	59	7	14	-	-	-	83	121	204							
7	6	59	7	15	-	-	-	0	15	15							
7	13	59	7	29	-	-	-	4	1	5							
7	20	59	7	31	0	6	6	2	59	61							
7	27	59	8	6	-	-	-	41	24	65							
8	17	59	8	27	3	1	4	6	7	13							
8	24	59	9	1	-	-	-	0	0	0							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: LOUISIANA

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER RED RIVER BELOW DENISON

STATION LOCATION: RED RIVER AT ALEXANDRIA, LOUISIANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
9	1	59	9	15	-	-	-	0	18	18						
9	8	59	9	17	-	-	-	0	0	0						
9	14	59	9	24	1	1	2	0	14	14						
9	21	59	9	30	-	-	-	0	15	15						
9	28	59	10	6	-	-	-	9	0	9						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE ARKANSAS

MAJOR BASIN SOUTHWEST LOWER MISSISSIPPI

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT INDEX, ARKANSAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
5	26	59	6	8	-	-	-	16	66	82						
6	1	59	6	12	-	-	-	28	88	116						
6	8	59	6	16	-	-	-	0	34	34						
6	15	59	7	6	0	0	0	28	17	45						
6	22	59	7	7	-	-	-	9	22	31						
6	29	59	7	14	-	-	-	1	167	168						
7	6	59	7	17	-	-	-	31	15	46						
7	13	59	7	29	-	-	-	0	16	16						
7	20	59	8	5	19	1	20	101	9	110						
7	28	59	8	11	-	-	-	66	60	126						
8	4	59	8	12	-	-	-	34	24	58						
8	11	59	8	19	-	-	-	0	27	27						
8	18	59	8	31	0	0	0	0	2	2						
9	1	59	9	15	-	-	-	25	80	105						
9	9	59	9	17	-	-	-	14	13	27						
9	14	59	9	24	1	3	4	9	11	20						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE TEXAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT DENISON, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
				μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10 17	-	-	-	4	38	42						
10	13	58	10 24	-	-	-	15	16	31						
10	20	58	10 30	-	-	-	21	26	47						
10	27	58	11 6	1	0	1	0	32	32						
11	3	58	11 14	-	-	-	0	24	24						
11	10	58	11 25	-	-	-	0	22	22						
11	17	58	12 1	-	-	-	1	54	55						
11	24	58	12 10	0	0	0	4	0	4						
12	1	58	12 12	0	0	0	8	31	39						
12	8	58	12 18	-	-	-	8	47	55						
12	15	58	12 24	-	-	-	3	0	3						
12	22	58	1 13	-	-	-	0	23	23						
12	29	58	1 14	-	-	-	0	14	14						
1	5	59	1 22	-	-	-	4	2	6						
1	12	59	1 30	-	-	-	0	66	66						
1	19	59	2 5	-	-	-	1	19	20						
1	26	59	2 12	-	-	-	8	23	31						
2	3	59	2 17	-	-	-	24	18	42						
2	9	59	3 3	0	0	0	12	21	33						
2	16	59	3 5	0	0	0	0	30	30						
2	24	59	3 16	-	-	-	12	29	41						
3	2	59	3 13	-	-	-	16	70	86						
3	10	59	3 20	-	-	-	0	36	36						
3	17	59	3 26	0	0	0	59	123	182						
3	25	59	4 6	-	-	-	11	102	113						
3	31	59	4 10	-	-	-	72	184	256						
4	7	59	4 20	-	-	-	0	326	326						
4	14	59	4 22	0	11	11	19	65	84						
4	20	59	4 30	-	-	-	41	72	113						
4	27	59	5 12	-	-	-	14	88	102						
5	4	59	5 13	-	-	-	16	63	79						
5	12	59	5 21	-	-	-	6	300	306						
5	19	59	7 9	-	-	-	81	80	161						
5	26	59	6 8	-	-	-	0	0	0						
6	1	59	6 15	-	-	-	78	19	97						
6	8	59	6 19	-	-	-	0	79	79						
6	15	59	7 6	0	11	11	0	0	0						
6	22	59	7 7	-	-	-	0	68	68						
6	29	59	7 14	-	-	-	0	0	0						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: TEXAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER RED RIVER BELOW DENISON

STATION LOCATION: RED RIVER AT DENISON, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7	15	-	-	-	0	2	2						
7	13	59	7	29	-	-	-	0	2	2						
7	20	59	8	5	20	3	23	27	58	85						
7	27	59	8	6	-	-	-	0	11	11						
8	3	59	8	12	-	-	-	0	0	0						
8	10	59	8	19	-	-	-	10	0	10						
8	17	59	8	27	0	4	4	0	9	9						
8	24	59	9	2	-	-	-	0	8	8						
9	1	59	9	10	-	-	-	21	43	64						
9	8	59	9	22	-	-	-	0	25	25						
9	14	59	9	23	0	0	0	15	4	19						
9	21	59	9	28	-	-	-	11	0	11						
9	29	59	10	6	-	-	-	10	25	35						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN LOWER RIO GRANDE BELOW PECOS

STATION LOCATION RIO GRANDE RIVER AT LAREDO, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION		GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL				ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	µµc/l	µµc/l	µµc/l	µµc/l	µµc/l	µµc/l		MO.	DAY	µµc/g	µµc/g	µµc/l	µµc/l	µµc/l
10	6	58	10	21	-	-	-	174	28	202								
10	14	58	10	28	-	-	-	345	100	445								
10	21	58	11	5	27	6	33	171	84	255								
10	28	58	11	10	25	4	29	249	138	387								
11	4	58	11	20	-	-	-	452	4	456								
11	10	58	11	28	-	-	-	52	15	67								
11	18	58	12	2	-	-	-	22	56	78								
11	25	58	12	11	6	3	9	32	18	50								
12	2	58	12	12	0	1	1	24	39	63								
12	9	58	12	24	-	-	-	2	25	27								
12	16	58	1	7	-	-	-	0	0	0								
1	5	59	1	22	-	-	-	0	8	8								
1	12	59	1	29	-	-	-	3	9	12								
1	19	59	2	9	-	-	-	0	28	28								
1	27	59	2	11	1	4	5	2	3	5								
2	3	59	2	16	-	-	-	12	41	53								
2	9	59	3	3	-	-	-	26	89	115								
2	16	59	3	10	-	-	-	18	43	61								
2	24	59	3	6	0	6	6	0	21	21								
3	3	59	3	12	-	-	-	6	20	26								
3	9	59	3	23	-	-	-	46	12	58								
3	17	59	3	27	-	-	-	0	6	6								
3	23	59	4	6	1	3	4	17	37	54								
3	30	59	4	13	-	-	-	27	45	72								
4	6	59	5	1	-	-	-	14	35	49								
4	14	59	4	27	-	-	-	0	2	2								
4	20	59	5	4	0	1	1	6	22	28								
4	28	59	5	12	-	-	-	23	41	64								
5	4	59	5	18	-	-	-	149	62	211								
5	12	59	5	21	-	-	-	31	65	96								
5	19	59	6	1	-	-	-	205	159	364								
5	26	59	6	9	14	0	14	210	46	256								
6	2	59	6	15	-	-	-	50	60	110								
6	8	59	6	30	-	-	-	94	123	217								
6	15	59	7	2	-	-	-	73	57	130								
6	22	59	6	30	-	-	-	13	15	28								
6	29	59	7	14	-	-	-	7	16	23								
7	6	59	7	17	-	-	-	0	19	19								
7	13	59	7	30	-	-	-	36	0	36								
7	21	59	8	3	-	-	-	127	46	173								
7	28	59	8	11	43	0	43	274	4	278								

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: TEXAS
MAJOR BASIN: WESTERN GULF
SUB BASIN: RIO GRANDE-LOWER-BELOW PECOS
STATION LOCATION: RIO GRANDE RIVER AT LAREDO, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	4	59	8	13	-	-	-	93	35	128						
8	11	59	8	19	-	-	-	1	0	1						
8	18	59	8	31	-	-	-	4	10	14						
8	25	59	9	3	0	0	0	8	0	8						
9	1	59	9	15	-	-	-	815	32	847						
9	8	59	11	2	-	-	-	734	2	736						
9	14	59	9	23	-	-	-	186	0	186						
9	22	59	10	1	2	4	6	39	18	57						
9	29	59	10	12	-	-	-	16	7	23						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: TEXAS

MAJOR BASIN: WESTERN GULF

SUB BASIN: UPPER RIO GRANDE ABOVE PECOS

STATION LOCATION: RIO GRANDE RIVER AT EL PASO, TEXAS

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER			
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION		GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL				ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	15	-	-	-	14	77	91								
10	13	58	10	24	-	-	-	12	7	19								
10	20	58	10	31	-	-	-	19	31	50								
10	27	58	11	13	-	-	-	0	26	26								
3	16	59	3	26	-	-	-	104	27	131								
3	23	59	4	2	0	0	0	130	63	193								
3	30	59	4	9	-	-	-	68	30	98								
4	6	59	4	14	-	-	-	322	75	397								
4	13	59	4	23	-	-	-	93	83	176								
4	20	59	4	29	0	0	0	25	34	59								
4	27	59	5	12	-	-	-	17	73	90								
5	4	59	5	18	-	-	-	17	205	222								
5	11	59	5	21	-	-	-	88	4	92								
5	18	59	6	18	-	-	-	109	55	164								
5	25	59	6	9	5	2	7	12	89	101								
6	1	59	6	12	-	-	-	61	67	128								
6	8	59	6	19	-	-	-	0	0	0								
6	15	59	7	2	-	-	-	61	46	107								
6	22	59	7	9	-	-	-	251	235	486								
6	29	59	7	14	-	-	-	0	0	0								
7	7	59	7	15	-	-	-	31	16	47								
7	13	59	7	28	-	-	-	2	0	2								
7	20	59	7	31	-	-	-	0	8	8								
7	27	59	8	7	0	0	0	61	11	72								
8	3	59	8	13	-	-	-	6	0	6								
8	10	59	8	19	-	-	-	227	162	389								
8	17	59	8	26	-	-	-	138	19	157								
8	24	59	9	1	14	8	22	74	5	79								
8	31	59	9	11	-	-	-	0	101	101								
9	8	59	9	21	-	-	-	0	24	24								
9	14	59	9	23	-	-	-	41	80	121								
9	21	59	10	1	0	0	0	0	8	8								
9	29	59	10	6	-	-	-	26	8	34								

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER			
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY			
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL	
NO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO.	DAY	μμc/g	μμc/g		μμc/l	μμc/l	μμc/l
10	6	58	10	14	-	-	-	8	16	24									
10	14	58	10	24	-	-	-	5	7	12									
10	20	58	10	31	-	-	-	9	14	23									
10	27	58	11	7	1	2	3	9	13	22									
11	3	58	11	13	-	-	-	0	76	76									
11	10	58	11	21	-	-	-	3	31	34									
11	17	58	12	1	-	-	-	4	77	81									
12	8	58	12	18	-	-	-	5	0	5									
12	15	58	1	5	-	-	-	4	7	11									
12	29	58	1	13	-	-	-	33	81	114									
1	6	59	1	21	2	0	2	39	13	52									
1	12	59	1	30	-	-	-	0	0	0									
1	20	59	2	5	-	-	-	7	18	25									
1	26	59	2	9	-	-	-	10	7	17									
2	2	59	2	13	1	0	1	10	7	17									
2	9	59	2	24	-	-	-	24	17	41									
2	16	59	3	4	-	-	-	24	19	43									
3	2	59	3	16	2	2	4	30	28	58									
3	16	59	3	26	-	-	-	29	11	40									
3	23	59	4	1	-	-	-	33	34	67									
3	30	59	4	8	0	0	0	54	47	101									
4	6	59	4	13	-	-	-	31	39	70									
4	13	59	4	23	-	-	-	80	25	105									
4	20	59	4	30	-	-	-	20	19	39									
5	4	59	5	14	1	4	5	20	14	34									
5	11	59	5	21	-	-	-	5	3	8									
5	18	59	5	29	-	-	-	14	14	28									
5	25	59	6	5	-	-	-	10	18	28									
6	1	59	6	12	0	1	1	11	16	27									
6	8	59	6	16	-	-	-	7	12	19									
6	15	59	6	30	-	-	-	6	13	29									
6	22	59	7	7	-	-	-	8	14	22									
6	29	59	7	9	-	-	-	11	8	19									
7	6	59	7	14	0	0	0	32	59	91									
7	13	59	7	28	-	-	-	0	16	16									
7	20	59	7	31	-	-	-	0	2	2									
7	27	59	8	10	-	-	-	5	9	14									

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
MO.	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION MO.	DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l			μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	3	59	8	11	0	0	0	19	38	57							
8	10	59	8	19	-	-	-	6	16	22							
8	17	59	8	27	-	-	-	10	6	16							
8	23	59	9	1	-	-	-	4	9	11							
8	31	59	9	9	0	0	0	0	14	14							
9	8	59	9	15	-	-	-	7	78	85							
9	14	59	9	22	-	-	-	11	25	36							
9	21	59	10	1	-	-	-	0	4	4							
9	28	59	10	6	-	-	-	0	13	13							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: SOUTH CAROLINA
MAJOR BASIN: SOUTHEAST
SUB BASIN: SAVANNAH RIVER
STATION LOCATION: SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10 15	-	-	-	2	10	12						
10	20	58	10 28	-	-	-	4	9	13						
10	27	58	11 5	0	1	1	0	19	19						
11	3	58	11 14	-	-	-	0	2	2						
11	10	58	11 19	-	-	-	0	5	5						
11	17	58	12 1	-	-	-	7	5	12						
11	24	58	12 9	0	0	0	0	9	9						
12	1	58	12 15	0	0	0	0	0	0						
12	8	58	12 22	-	-	-	0	9	9						
12	15	58	12 23	-	-	-	18	87	105						
12	22	58	1 12	-	-	-	0	7	7						
12	29	58	1 14	-	-	-	7	457	464						
1	5	59	1 21	0	0	0	11	37	48						
1	12	59	1 28	-	-	-	7	9	16						
1	19	59	2 5	-	-	-	9	4	13						
1	26	59	2 9	1	0	1	19	11	30						
2	2	59	2 13	1	0	1	32	12	44						
2	9	59	2 24	-	-	-	19	9	28						
2	16	59	3 4	-	-	-	60	43	103						
2	23	59	3 6	-	-	-	10	18	28						
3	2	59	3 16	0	0	0	25	11	36						
3	9	59	3 19	-	-	-	35	14	49						
3	16	59	3 26	-	-	-	33	19	52						
3	23	59	4 1	-	-	-	25	7	32						
3	30	59	4 8	2	0	2	41	27	68						
4	6	59	5 1	-	-	-	37	32	69						
4	13	59	4 23	-	-	-	18	17	35						
4	20	59	4 30	-	-	-	44	34	78						
4	27	59	5 8	-	-	-	0	23	23						
5	4	59	5 14	0	0	0	12	18	30						
5	11	59	5 21	-	-	-	29	19	48						
5	18	59	5 29	-	-	-	26	16	42						
5	25	59	6 5	-	-	-	117	29	148						
6	2	59	6 12	1	0	1	31	8	39						
6	8	59	6 16	-	-	-	25	10	35						
6	29	59	7 9	-	-	-	10	13	23						
7	6	59	7 14	5	3	8	2	0	2						
7	13	59	7 28	-	-	-	6	3	9						
7	20	59	7 31	-	-	-	0	4	4						
7	27	59	8 7	-	-	-	16	28	44						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE SOUTH CAROLINA
MAJOR BASIN SOUTHEAST
SUB BASIN SAVANNAH RIVER
STATION LOCATION SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	3	59	8	10	0	0	0	6	6	12						
8	10	59	8	14	-	-	-	2	7	9						
8	18	59	8	28	-	-	-	7	8	15						
8	24	59	9	1	-	-	-	5	7	12						
9	1	59	9	11	0	0	0	0	0	0						
9	8	59	9	16	-	-	-	7	18	25						
9	21	59	9	28	-	-	-	12	6	18						
9	28	59	10	15	0	0	0	3	2	5						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE & LOWER SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WAWAWAI, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
MO	DAY	YEAR	MONTH	DAY	SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	MO. DAY	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
					μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	16	-	-	-	6	12	18						
10	13	58	10	23	-	-	-	0	10	10						
10	20	58	10	29	-	-	-	8	33	41						
11	3	58	11	17	-	-	-	2	15	17						
11	10	58	11	20	-	-	-	20	37	57						
11	17	58	12	1	-	-	-	1	19	20						
11	24	58	12	11	0	2	2	9	16	25						
12	1	58	12	12	0	3	3	0	2	2						
12	8	58	12	23	-	-	-	66	28	94						
12	15	58	1	6	-	-	-	7	13	20						
12	22	58	1	9	-	-	-	5	22	27						
12	29	58	1	20	0	1	1	10	31	41						
1	5	59	1	22	-	-	-	3	11	14						
1	12	59	1	30	-	-	-	4	0	4						
1	19	59	2	5	-	-	-	17	19	36						
1	26	59	2	13	2	1	3	38	25	63						
2	2	59	2	16	-	-	-	6	8	14						
2	9	59	3	4	-	-	-	5	22	27						
2	16	59	3	5	-	-	-	8	41	49						
2	23	59	3	11	1	1	2	29	46	75						
3	2	59	3	13	-	-	-	51	21	72						
3	9	59	3	20	-	-	-	20	24	44						
3	16	59	3	27	-	-	-	9	17	26						
3	23	59	4	1	0	2	2	20	25	45						
3	30	59	4	10	-	-	-	28	35	63						
4	6	59	4	21	-	-	-	22	20	42						
4	13	59	4	23	-	-	-	39	66	105						
4	20	59	4	30	0	0	0	17	71	88						
4	27	59	5	11	-	-	-	21	19	40						
5	4	59	5	18	-	-	-	32	4	36						
5	11	59	5	25	-	-	-	12	18	30						
5	18	59	6	1	-	-	-	130	108	238						
5	25	59	6	9	0	0	0	5	7	12						
6	1	59	6	12	-	-	-	8	10	18						
6	8	59	6	19	-	-	-	75	46	121						
6	15	59	6	30	-	-	-	21	16	37						
6	22	59	7	9	-	-	-	15	18	33						
6	29	59	7	14	-	-	-	0	9	9						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE & LOWER SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WAWAWAI, WASHINGTON

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO.	DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
7	6	59	7	15	-	-	-	4	5	9							
7	13	59	7	30	-	-	-	9	13	22							
7	20	59	8	3	-	-	-	8	17	25							
7	27	59	8	6	2	2	2	0	0	0							
8	3	59	8	12	-	-	-	3	34	37							
8	10	59	8	18	-	-	-	5	25	30							
8	17	59	8	27	-	-	-	0	0	0							
8	24	59	9	2	0	1	1	0	17	17							
8	31	59	9	10	-	-	-	14	11	25							
9	10	59	9	21	-	-	-	5	15	20							
9	14	59	9	23	-	-	-	0	12	12							
9	21	59	10	1	0	1	1	0	0	0							
9	28	59	10	8	-	-	-	0	5	5							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE IDAHO
MAJOR BASIN PACIFIC NORTHWEST
SUB BASIN CENTRAL SNAKE RIVER
STATION LOCATION SNAKE RIVER AT WEISER, IDAHO

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO	DAY	μμc/g	μμc/g		μμc/l	μμc/l	μμc/l
10	8	58	10	17	-	-	-	0	20	20								
10	15	58	10	28	-	-	-	2	13	15								
10	22	58	11	3	-	-	-	4	13	17								
10	29	58	11	13	-	-	-	0	18	18								
11	5	58	11	18	-	-	-	0	16	16								
11	10	58	11	24	-	-	-	1	21	22								
11	17	58	12	1	-	-	-	0	17	17								
11	26	58	12	12	0	2	2	0	0	0								
12	1	58	12	16	0	3	3	0	11	11								
12	8	58	1	5	-	-	-	0	3	3								
12	17	58	1	7	-	-	-	0	5	5								
12	24	58	1	7	-	-	-	8	23	31								
12	31	58	1	20	0	2	2	2	27	29								
1	5	59	2	5	-	-	-	2	17	19								
1	12	59	1	29	-	-	-	6	13	19								
1	21	59	2	5	-	-	-	3	22	25								
1	28	59	2	12	1	0	1	31	20	51								
2	4	59	2	18	-	-	-	10	30	40								
2	11	59	3	4	-	-	-	9	13	22								
2	16	59	3	6	-	-	-	22	22	44								
2	23	59	3	12	1	2	3	23	28	51								
3	2	59	3	12	-	-	-	16	24	40								
3	9	59	3	23	-	-	-	14	24	38								
3	16	59	3	27	-	-	-	12	37	49								
3	23	59	4	6	0	0	0	1	21	22								
3	30	59	4	13	-	-	-	7	23	30								
4	6	59	4	21	-	-	-	13	35	48								
4	13	59	4	28	-	-	-	10	32	42								
4	20	59	5	5	0	2	2	13	38	51								
4	27	59	5	12	-	-	-	47	105	152								
5	4	59	5	18	-	-	-	27	9	36								
5	18	59	6	30	-	-	-	8	9	17								
5	25	59	6	9	3	1	4	0	0	0								
6	1	59	6	15	-	-	-	47	118	165								
6	8	59	6	19	-	-	-	0	29	29								
6	15	59	7	2	-	-	-	5	18	23								

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB .

STATION LOCATION TENNESSEE RIVER AT CHATTANOOGA, TENNESSEE

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)			RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA				GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL	DATE OF DETERMINATION	ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
10	6	58	10	20	-	-	-	0	18	18						
10	14	58	10	24	-	-	-	8	43	51						
10	21	58	11	3	-	-	-	0	18	18						
10	28	58	11	7	1	2	3	0	16	16						
11	4	58	11	17	-	-	-	0	21	21						
11	12	58	11	24	-		-	0	38	38						
11	18	58	12	1	-	-	-	0	21	21						
11	25	58	12	10	0	0	0	5	37	42						
12	2	58	12	16	0	0	0	5	18	23						
12	9	58	12	24	-	-	-	0	20	20						
12	15	58	1	6	-	-	-	1	30	31						
12	23	58	1	12	-	-	-	7	23	30						
12	29	58	1	19	-	-	-	10	18	28						
1	6	59	1	26	-	-	-	3	18	21						
1	13	59	1	30	-	-	-	9	15	24						
1	20	59	2	5	-	-	-	4	30	34						
1	27	59	2	12	-	-	-	1	12	13						
2	3	59	2	17	-	-	-	22	17	39						
2	10	59	3	2	1	1	2	18	37	55						
2	17	59	3	6	-	-	-	27	20	47						
2	24	59	3	9	-	-	-	12	34	46						
3	3	59	3	13	-	-	-	35	60	95						
3	10	59	3	23	0	0	0	25	29	54						
3	17	59	3	27	-	-	-	38	9	47						
3	24	59	4	6	-	-	-	17	31	48						
3	31	59	4	10	-	-	-	26	37	63						
4	7	59	4	17	1	0	1	23	43	66						
4	14	59	4	27	-	-	-	14	36	50						
4	20	59	4	30	-	-	-	98	66	164						
4	28	59	5	12	-	-	-	15	38	53						
5	5	59	5	18	-	-	-	11	32	43						
5	12	59	5	25	0	0	0	15	218	233						
5	19	59	6	1	-	-	-	15	21	36						
5	26	59	6	12	-	-	-	3	34	37						
6	3	59	6	15	-	-	-	0	26	26						
6	9	59	6	19	0	0	0	42	86	128						
6	15	59	7	2	-	-	-	0	22	22						
6	22	59	7	7	-	-	-	5	84	89						
6	29	59	7	14	-	-	-	15	45	60						

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: TENNESSEE

MAJOR BASIN: TENNESSEE RIVER

SUB BASIN: TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION: TENNESSEE RIVER AT CHATTANOOGA, TENNESSEE

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION	ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY		
				SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL
MO.	DAY	YEAR	MONTH DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g		μμc/l	μμc/l	μμc/l
7	6	59	7 15	-	-	-	2	26	28							
7	13	59	7 28	0	0	0	0	104	104							
7	20	59	8 4	-	-	-	7	23	30							
7	28	59	8 10	-	-	-	3	4	7							
8	4	59	8 13	-	-	-	11	107	118							
8	11	59	8 18	1	1	2	0	51	51							
8	18	59	8 27	-	-	-	0	31	31							
8	25	59	9 2	-	-	-	0	12	12							
9	1	59	9 11	-	-	-	0	21	21							
9	8	59	9 17	1	0	1	8	24	32							
9	15	59	9 24	-	-	-	3	11	14							
9	22	59	9 30	-	-	-	0	16	16							
9	29	59	10 8	-	-	-	0	13	13							

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MONTANA

MAJOR BASIN: MISSOURI RIVER

SUB BASIN: YELLOWSTONE RIVER

STATION LOCATION: YELLOWSTONE RIVER M30 NEAR SIDNEY, MONTANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER									RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER			
			DATE OF DETERMINATION		ALPHA			BETA				DATE OF DETERMINATION	GROSS ACTIVITY			GROSS ACTIVITY			
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL			ALPHA	BETA		SUSPENDED	DISSOLVED	TOTAL	
MO.	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l		MO. DAY	μμc/g	μμc/g		μμc/l	μμc/l	μμc/l	
11	3	58	11	14	-	-	-	0	16	16									
11	10	58	11	20	-	-	-	24	6	30									
11	17	58	12	2	-	-	-	5	32	37									
11	24	58	12	11	8	5	13	48	23	71									
12	1	58	12	18	-	-	-	0	13	13									
12	8	58	12	24	-	-	-	37	101	138									
12	15	58	1	6	-	-	-	16	0	16									
12	22	58	1	12	-	-	-	4	43	47									
12	29	58	1	22	-	-	-	0	53	53									
1	5	59	1	22	-	-	-	3	31	34									
1	12	59	1	30	-	-	-	0	86	86									
1	19	59	2	6	-	-	-	13	39	52									
1	26	59	2	9	-	-	-	9	32	41									
2	2	59	2	18	-	-	-	3	18	21									
2	9	59	3	4	0	3	3	0	22	22									
2	16	59	3	5	0	4	4	2	2	4									
2	23	59	3	9	-	-	-	6	28	34									
3	9	59	3	20	-	-	-	87	165	252									
3	16	59	3	27	11	0	11	183	150	333									
3	23	59	4	6	-	-	-	278	99	377									
3	30	59	4	10	-	-	-	280	110	390									
4	6	59	4	20	-	-	-	40	47	87									
4	13	59	4	27	1	4	5	0	28	28									
4	20	59	5	4	-	-	-	104	109	213									
4	27	59	5	12	-	-	-	11	23	34									
5	4	59	5	18	-	-	-	163	618	781									
5	11	59	5	25	-	-	-	203	112	315									
5	18	59	6	2	6	0	6	72	24	96									
5	25	59	6	8	-	-	-	25	34	59									
6	1	59	6	12	-	-	-	111	62	173									
6	8	59	6	19	-	-	-	232	72	304									
6	15	59	6	30	0	0	0	63	0	63									
6	22	59	7	7	-	-	-	26	21	47									
6	29	59	7	14	-	-	-	148	14	162									
7	6	59	8	5	-	-	-	560	6	566									
7	13	59	7	29	-	-	-	36	18	54									
7	20	59	7	31	-	-	-	13	0	13									
7	27	59	8	10	-	-	-	20	20	40									

WATER QUALITY BASIC DATA

RADIOACTIVITY DETERMINATIONS

STATE: MONTANA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: YELLOWSTONE RIVER
STATION LOCATION: YELLOWSTONE RIVER M30 NEAR SIDNEY, MONTANA

DATE SAMPLE TAKEN			RADIOACTIVITY IN WATER							RADIOACTIVITY IN PLANKTON (dry)				RADIOACTIVITY IN WATER		
			DATE OF DETERMINATION		ALPHA			BETA			DATE OF DETERMINATION	GROSS ACTIVITY		GROSS ACTIVITY		
					SUSPENDED	DISSOLVED	TOTAL	SUSPENDED	DISSOLVED	TOTAL		ALPHA	BETA	SUSPENDED	DISSOLVED	TOTAL
MO	DAY	YEAR	MONTH	DAY	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	μμc/l	MO. DAY	μμc/g	μμc/g	μμc/l	μμc/l	μμc/l
8	3	59	8	13	-	-	-	2	0	2						
8	10	59	8	18	-	-	-	11	0	11						
8	17	59	8	27	0	1	1	7	15	22						
8	24	59	9	2	-	-	-	0	18	18						
8	31	59	9	10	-	-	-	0	29	29						
9	14	59	9	28	4	6	10	5	13	18						
9	21	59	10	1	-	-	-	21	15	36						
9	28	59	10	8	-	-	-	70	10	80						

STRONTIUM-90

SAMPLING POINT	STRONTIUM ACTIVITY, uuc/liter Jan.-Mar.	Apr.-June	July-Sep.
Great Lakes			
Duluth, Minn.	0.7	0.1	0.2
Gary, Ind.	0.7	1.0	0.4
Detroit, Mich.	0.5	0.4	0.6
Buffalo, N. Y.	1.1	1.3	0.8
No. Atlantic Coastal Rivers**			
Hagerstown, Md.	1.4	1.3	0.7
Great Falls, Md.	2.4	1.0	0.8
Easton, Pa.	-	2.0	-
Philadelphia, Pa.	0.8	1.1	0.6
Poughkeepsie, N. Y.	4.5	1.1	1.0
Lowell, Mass.	1.6	2.1	1.2
Northfield (Amhurst) Conn.	-	-	1.9
Savannah River			
No. Augusta, S. C.	0.6	2.8	0.3
Savannah, Ga.	1.4	1.9	0.7
Tennessee River			
Chattanooga, Tenn.	4.7	4.8	3.8
Rio Grande River			
El Paso, Texas	0.7	1.1	0.3
Laredo, Texas	0.3	1.1	0.2
Colorado River			
Loma, Colo.	2.9	0.7	0.3
Hoover Dam, Ariz.-Nev.	1.8	1.2	0.9
Parker Dam, Ariz.-Calif.	0.9	2.7	0.6
Yuma, Ariz.	0.7	1.6	0.8

** Potomac, Delaware, Hudson, Merrimack and Connecticut Rivers

	STRONTIUM ACTIVITY, uuc/liter		
	Jan.-Mar.	Apr.-June	July-Sep.
Alsea River			
Alsea, Ore.	0.0	0.2	0.2
Arkansas River			
Coolidge, Kans	2.4	1.7	1.4
Ponca City, Okla.	1.6	2.4	0.5
Pendleton Ferry, Ark	-	2.2	0.3
Fort Smith, Ark.	-	-	2.1
Snake River			
Weiser, Idaho	0.4	0.4	-
Wawawai, Washington	0.5	0.9	0.4
Columbia River			
Wenatchee, Washington	0.6	0.8	0.5
Pasco, Washington	1.4	1.2	1.0
Bonneville Dam, Wash.-Ore.	0.9	1.1	0.5
Beaver Army Term., Ore.	0.7	1.2	0.5
Red River			
Denison, Texas	2.0	2.3	1.0
Index, Ark.	-	2.5	0.6
Alexandria, La.	0.3	2.2	0.4
Ohio River			
E. Liverpool, Ohio	0.9	2.1	1.2
Huntington, W. Va.	0.8	1.1	1.0
Cincinnati, Ohio	0.6	0.9	0.9
Evansville, Ind.	1.8	1.6	2.0
Cairo, Ill.	1.1	2.9	1.2

	STRONTIUM ACTIVITY, uuc/liter		
	Jan.-Mar.	Apr.-June	July-Sep.
Missouri River (Incl. Yellowstone R.)			
Sidney, Mont. (Tr)	0.8	1.9	0.7
Williston, N. D.	1.6	1.4	0.5
Bismarck, N. D.	0.4	1.5	0.8
Yankton, S. D.	0.8	2.2	0.4
Omaha, Neb.	0.5	2.1	1.1
St. Joseph, Mo.	0.7	1.3	0.6
Kansas City, Kans.	0.8	1.7	0.3
St. Louis, Mo.	0.7	0.6	0.5
Mississippi River			
Red Wing, Minn.	-	1.6	0.5
Dubuque, Ia.	1.1	1.5	1.6
Burlington, Ia.	1.1	2.1	1.1
E. St. Louis, Ill.	1.4	3.4	1.2
Cape Girardeau, Mo.	1.2	1.6	1.2
W. Memphis, Ark.	0.9	2.1	1.3
Vicksburg, Miss.	1.0	-	-
New Orleans, La.	1.2	0.8	1.0
Delta, La.	-	-	1.3

PLANKTON POPULATION

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI

SUB BASIN ARKANSAS RIVER-VAN BUREN TO MOUTH

STATION LOCATION ARKANSAS RIVER M44.5 AT PENDLETON FERRY, ARKANSAS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
3	30	59	1970		70	110	50	50	50	590	1050	10	10				10			-4-7-
5	11	59	4930	160	70	630		120	70	3680	200									-4327
6	1	59	1180	90	90	90		120	30	290	470	20								-4---
7	6	59	520	50		30		50	50	200	140	20	10							-4---
7	13	59	4010	210	120	450		270	160	2170	630		30		30	10			10	84877
8	3	59	1350		120	70		140	30	520	470	10								-4-7-
9	1	59	7210	30	180	420		830	30	3790	1930	10	8800							-4-77

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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE: OKLAHOMA

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION: ARKANSAS RIVER NEAR PONCA CITY, OKLAHOMA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	31330	170	13920	2210		1470		11430	2130			100						-6-33
11	10	58	69630	170	330	1640		5100	370	49780	12240	100	300							-4-77
1	12	59	2640		20	20		370	20	410	1800		100							-4773
2	9	59	3520		210	50		510		350	2400	100	600							-477-
3	9	59	5690	70	320	850		1280	180	470	2520		400				100			51773
4	13	59	24060	290	220	4780	30	4390	70	6460	7820	100	1000	600	300	300				54737
5	11	59	3480		50	110		90		700	2530	20	10		10					-4773
6	8	59	39080	580	360	4420		410	180	29890	3240	40	11000		20	10				54375
9	15	59	101220	8340	1780	16620		830	440	64180	9030	10	6600		20	200				-4323

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE KANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See instruction for interpretation)
10	6	58	970		40			50	40		840								--77-
11	10	58	1130			70		90		70	900								--77-
12	9	58	920		20	20		70		70	740								--7--
1	6	59	970			20		20	20	50	860					100		100	--77-
2	9	59	2490		50					70	2370								--77-
3	3	59	2470		70	90		70	50	90	2100		100		100				-577-
4	6	59	7870	30	50			110		310	7370		15200						-5775
5	11	59	3860			700	30	180		30	2920	10							-8773
6	2	59	11850		30	110		260	30	310	11110	20	10			10			-4773
7	6	59	10070		30	240		30		930	8840	20				10			-477-
8	3	59	3600	30	50	70				370	3080	40							-4773
8	31	59	5080		1350	110		240	330	580	2470		10		10				-2773

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WATER QUA... BASIC DATA - MONTHLY REPORT

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER AT YUMA, ARIZONA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See introduction for interpretation)
				COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE									
10	6	58	1380	210		250		130		170	620		100							-4772
12	1	58	820	50		110		40		110	510									---7-
1	19	59	790			20		130		170	470									-477-
2	2	59	410	30	50					70	260									------
3	2	59	210							30	180						100			------
3	30	59	650			30		110		30	480			100						---7-
5	4	59	340			70		30	50	50	140									------
6	1	59	1080	70	30	180		70		260	470		10							-4-7-
7	6	59	1270	120	30	250	30	70	30	90	650									--77-
8	3	59	2990	1230	90	410		120	30	120	990	20	10		10					-8372
9	7	59	1770	290	120	270		70	30	270	720		20				10			-4-7-

PHS-2946-S
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE CALIFORNIA
MAJOR BASIN COLORADO RIVER
SUB BASIN LOWER COLORADO RIVER
STATION LOCATION COLORADO RIVER ABOVE PARKER DAM, ARIZONA-CALIFORNIA

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA				ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS					
10	8	58	910	70		230		150		250	210		100							-4---
11	5	58	1130	90	50	190		270	90	90	350		100							-1-7-
12	9	58	710			110		210	90	170	130									---3-
1	5	59	1000			110		190		370	330				100					-4-7-
2	5	59	80			50				30										------
3	4	59	30					120	50		30						100			------
4	6	59	230	30	30						30									------
5	6	59	30						30	30	30	10								------
6	1	59	150		30	30			30		90		20							------
7	6	59	180	30		30					50									--3--
8	6	59	50					30		100	30									
9	2	59	440	280																

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE: NEVADA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
				COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	BROWN	CENTRIC	PENNATE									
10	21	58	350		20			70		50	210									---7-
11	18	58	170		20	20		20		20	90									------
12	9	58	430	20		20		50		70	270									---7-
1	6	59	270			50		70		20	130									------
2	3	59	150					30		50	70					100				------
3	3	59	30			30						100								------
4	6	59						50				30								------
5	5	59	50							30	30	10								------
6	2	59	60							30										------
7	6	59	30								30									------
8	4	59	30								160									------
9	1	59	160																	---7-

PHS 2645 5
11 57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE COLORADO

MAJOR BASIN COLORADO RIVER

SUB BASIN UPPER COLORADO RIVER

STATION LOCATION COLORADO RIVER AT LOMA, COLORADO

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See introduction for interpretation)
10	6	58	1650	20	50	40				130	1410									--77-
11	10	58	2350		50					50	2250									-5773
12	15	58	2890			60				130	2700									-5743
1	5	59	1590			20		20	20	20	1510									--74-
2	9	59	2650		50					50	2550		100							-577-
3	9	59	2130	50	70	70				290	1650		100							-5773
4	6	59	3480			110		90		1090	2190			100	100					-4773
5	11	59	4150		30	30			50	290	3750	10	20		10					-5773
6	15	59	2170		30	30				50	2060									-5773
7	6	59	3740		30			30		260	3420	10	30							-477-
8	4	59	4660		30	90				440	4100				10					-4773
9	8	59	5070	210	70	550		30		1830	2380	70					10			-477-

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE: OREGON

MAJOR BASIN: PACIFIC NORTHWEST

SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION: COLUMBIA RIVER M552 AT CLATSKANIE, OREGON

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	20	58	2210	20	20	430		270	20	960	490		200	100	100					-4133
11	25	58	960		70	90		20		190	590									-4-7-
12	23	58	1050	40	20	90		20		310	570					100				-4---
1	27	59	160							160										-----
3	10	59	920		30			30	70	230	560	100		100						-4-7-
4	28	59	2880	50	90	250		90	50	670	1680									3--7-
5	26	59	3740		30	50		30	50	1410	2170	20	10				10			34-77
6	29	59	3610			240			30	1170	2170	10	30							34-7-
7	28	59	4050	230	140	210		90	50	1120	2210	40	10							34-83
9	29	59	3070	140		510		30		1470	920				10					-4-76

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE: OREGON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (Use Identification for Interpretation)
10	6	58	2550	50	40	570	20	90		960	820									-417-
10	20	58	2100	50	20	170		90	40	890	840									-477-
11	17	58	2140			130		90		800	1420									-4777
12	15	58	1770	20	20	40		50	20	410	1210									-4777
1	12	59	750			70				310	370		200							-4---
2	9	59	100								100									-----
3	9	59	1080		30	50		50		250	700			100						-4-7-
4	13	59	2420			70				570	1780			2200						3477-
5	11	59	6200			50		110		2080	3960		10							34777
6	15	59	2710	160	30	30	30	50	30	810	1570									34777
7	20	59	3720			110			30	1260	2320	4400								34-73
8	17	59	1620	90	90	50				650	740									-4-7o

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: COLUMBIA RIVER AT PASCO, WASHINGTON

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	1520			60		70		370	1020					100				--777
11	3	58	1240	20				50		450	720									-4777
12	8	58	690			40		90		290	270									-47--
1	5	59	830					20		190	620									--77-
2	2	59	500	30						100	370									3----
3	2	59	840						90	70	680									3--7-
4	13	59	1520				30	50		440	1000	10					10			34-7-
5	4	59	4370			90		160		910	3210			10						34-76
6	1	59	3770		50	50			50	600	3020		10							34-77
7	6	59	1360	30	50		30		90	160	1000									3--73
8	3	59	780		30					200	550									---77
8	31	59	450						160	290										-----

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE WASHINGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER ABOVE YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER AT WENATCHEE, WASHINGTON

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See instructions for interpretation)
11	3	58	650		20			50		250	330					100				----7
12	8	58	940			70		210		190	470		100							--73-
1	5	59	520	20		20				90	390									-----
2	9	59	220							30	190									-----
3	2	59	510							70	440	100					100			3----
4	6	59	1560	50	160	250		580		90	430									56-33
5	4	59	3690		30	30		30		550	3050			220						34-73
6	8	59	1490	70				120		230	1070	10								3---73
7	6	59	1330							180	1150									34-73
8	10	59	540	30		30			30	70	380									---76
9	1	59	410		30		30	50		70	230		10							-----

PHS-2045-9
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE: MASSACHUSETTS
MAJOR BASIN: NORTHEAST
SUB BASIN: CONNECTICUT RIVER
STATION LOCATION: CONNECTICUT RIVER BELOW NORTHFIELD, MASSACHUSETTS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
MONTH	DAY	YEAR	TOTAL ALGAE	BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS		FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
				COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE									
6	1	59	2460	360	140	610		290	210	380	470				10					54335
7	13	59	4490	200		1000		330	130	810	2020	13200	4400		10	10				54373
9	8	59	2170	90	160	410		140	50	960	360		20		10		10			---77

PHS 2849-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE: PENNSYLVANIA

MAJOR BASIN: NORTH ATLANTIC

SUB BASIN: DELAWARE-SCHUYLKILL RIVERS

STATION LOCATION: DELAWARE RIVER M90 AT PHILADELPHIA, PENNSYLVANIA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	2700			290	20	130	20	1150	1090									-477-
11	10	58	2070		50	40	50	50	40	470	1370		300	100						-4773
12	8	58	1150	40	20	150		50	20	210	660									-47--
1	5	59	1470	20	20	40		40	20	470	860		200	100						-477-
2	9	59	880		50	50				140	640									---7-
3	2	59	1270		70	50		120		200	830	1200	100							------
4	6	59	2410		90	110	30	50	50	260	1820			100		100				-4773
5	5	59	2710			130		130	50	390	2010		11000			10				-4776
6	1	59	1300	110		330		90		480	290	10	20		20	10				-4-7-
7	6	59	4750	330	30	1260		90	50	2100	890	20	20		10					-4377
8	4	59	3160	330	50	680		110	50	1150	790	30					10	20		-4327
9	8	59	2150	160	30	210		320	250	640	540	20	10			10				-4-71

PHS-2548-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE PENNSYLVANIA
MAJOR BASIN NORTH ATLANTIC
SUB BASIN DELAWARE-LEHIGH RIVERS
STATION LOCATION DELAWARE RIVER AT EASTON, PENNSYLVANIA

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								DOMINANT ORGANISMS (See Introduction for interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	
4	6	59	930		90	30	30		30	180	570	200	100	100						---7-
5	1	59	1310	70	30	50		50	140	120	850	10								---7-

PHS 2645-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE NEW YORK
MAJOR BASIN NORTHEAST
SUB BASIN LAKE ERIE-NIAGARA
STATION LOCATION LAKE ERIE AT BUFFALO, NEW YORK

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Instructions for Interpretation)
10	2	58	800	70		130				100	500					200				---7-
12	3	58	520			40				160	320									------
1	5	59	230							210	20									-4----
2	4	59	180	50		30				50	50									------
3	2	59	30								30									------
3	30	59	850	90	50	120				540	50		100							-4----
5	6	59	240					30		180	30									-4----
6	4	59	410			70			50	70	220					10	10			3-----
8	5	59	180	50	50	30					50	10					10			------
9	2	59	60			30					30		30							------

PHS-2648-S
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE: MICHIGAN
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: ST. CLAIR-DETROIT RIVERS
STATION LOCATION: DETROIT RIVER AT DETROIT, MICHIGAN

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Instruction for Interpretation)
10	6	58	710	20		130				210	350									-4---
11	5	58	560	50		20			70	270	150									-4---
12	3	58	830			100				130	600									---7-
1	6	59	500		90				40	20	350									---7-
2	3	59	290	100	120						70	100								-----
3	3	59	230							50	180									-----
4	7	59	1230	30					90	110	1000					100				-5-73
5	5	59	240			50	70				120									-----
6	2	59	850	70		70		90	160	140	320		10			10				-----
7	6	59	140	30						110										-----
9	2	59	120							70	50									-----

PHS-2345-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE MINNESOTA
MAJOR BASIN WESTERN GREAT LAKES
SUB BASIN LAKE SUPERIOR
STATION LOCATION LAKE SUPERIOR AT DULUTH, MINNESOTA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DA.	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Instruction for Interpretation)
10	6	58	200	10	10	40			20	40	80									-8-7-
11	3	58	780	40	40	380				100	220									------
12	1	58	170			40					130									------
1	5	59	140							50	90									------
2	2	59	50								50	100								------
3	2	59	120		50						70			200						------
4	6	59	220		30			30		30	130									------
5	4	59	300			70		90		90	50		440				10			------
6	1	59	230							70	160									------
7	6	59	140							50	90									------
8	3	59	330			30			70	90	140									

PHS-2640-3
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE INDIANA

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. JOSEPH RIVER

STATION LOCATION LAKE MICHIGAN AT GARY, INDIANA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Interpretation for Interpretation)
10	6	58	1730	220		100			70	380	1030									-4383
11	10	58	1980			40				280	1590									34-86
12	8	58	1360			40			90	100	1220					100				3--83
1	5	59	1140		20	40				170	820			100						3--8-
2	2	59	2220	30	70	420				1190	510				100					54---
3	2	59	1360	290	50	230		50	90	180	470			100						3--7-
4	6	59	9740	140	270	1140		3150	50	2930	2060								10	54-37
5	4	59	3190			110			90	870	2120		19800							34-77
6	9	59	1850		90	30		90	30	360	1250	4400								---83
7	6	59	760			30			50	200	480	10					10			-4-8-
8	4	59	2300	50	120	70		50	140	610	1260				10					-4-86
9	1	59	450	50	30	30		50		110	180									-----

PHS-2049-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LOWER HUDSON RIVER

STATION LOCATION HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	1330	130	150	430				470	150									-4-2-
11	3	58	1700	50	20	330		50		660	590									-4-77
12	8	58	1340	20	50	130		70	20	620	430									-47--
1	5	59	510					110		210	190									-4---
2	4	59	1160	30	70	70				530	460									-4-75
3	4	59	160					30	30	30	70			100	100					-----
4	6	59	590					70	70	160	290									-----
5	6	59	830			50			30	310	440	100								-4-7-
6	1	59	940			30				710	200				10	10	20			-4--7
7	6	59	1810	70		290		30		1040	380	20								-4-7-
8	5	59	1030	50		160		50		440	330									-4--7
9	2	59	560	50	70	90		90	30	180	50	10								-----

PHS-2645-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE MASSACHUSETTS

MAJOR BASIN NORTHEAST

SUB BASIN MERRIMAC RIVER

STATION LOCATION MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	7	58	3030	150	70	1060	20	740	130	450	410		100			100				54-38
11	17	58	800			40		170	70	250	270									-4-3-
12	2	58	770		70	110		150		190	250						100			-4---
1	7	59	410					170	20	150	70		200							---3-
2	16	59	410		290	30	30	30			30			100						-6---
3	18	59	380		70	50	30		50	110	70		300			100				-----
4	13	59	730		70					90	570									---7-
5	13	59	2470	250	70	230	30	210	250	290	1140	20	30			10				34-7-
6	1	59	5100	1220	200	1430		610	180	440	1020									54375
7	20	59	16250	830	12450	720		90	850	570	740	10								24371
8	10	59	6860	450	1740	2930	140	540	340	90	630	20	13200			10				28875
9	8	59	8330	310	70	780		220	30	5620	1300	30	10		4400	4400	10			-4-77

PHS-2645-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	9	58	1040			100				780	460									-4--7
10	30	58	1400	40		320				850	190									-4--7
12	8	58	1500			280				970	250									-4--7
1	15	59	4220		50	130		230	40	3660	110					100				-4937
2	27	59	1380	50	100	30				940	260									-4--7
3	24	59	2700	50	30	110	70	30		1150	1260	100								-4777
4	23	59	1070	30	30	50		30	30	760	140	30				10				-4--7
5	7	59	2100			220			30	1280	570				10					-4---
5	21	59	2230			50		30		1650	500	20								-4-77
6	1	59	1710	70	140	200		50	180	780	290	20	10							54--7
6	15	59	510		50			30		270	160	20	10					10		-----
6	29	59	1320	30	30	160				960	140	10	10							-4---
8	6	59	720		30	50				480	160	10								-4---
8	20	59	2310	50		720			30	1350	160	30			10		10			-4327
9	3	59	340		50	50	30			180	30	30	10				10			-----

PHS-2048-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE MISSISSIPPI

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-YAZOO RIVERS

STATION LOCATION MISSISSIPPI RIVER AT VICKSBURG, MISSISSIPPI

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for interpretation)
10	6	58	550			70		20		320	140									----7
11	10	58	2540			380				1690	470									-4-77
12	1	58	3250	40	100	250		40		2440	380									-4-77
1	5	59	6760			90		50	20	6390	210						100			-4--7
2	2	59	2590		70			30		2030	460									-4-77
4	6	59	2560		50	160	70	50	30	1860	340	200	100		100	200		100		-4-77
4	20	59	1710		70	50		50		1250	290	30	20	10	20	10		10		-4---
5	4	59	3260		50	90		50	30	2300	740	10			10	10				-4-77
5	18	59	1290			70				700	520	10			10					-4-77
6	1	59	1240		30	70				700	440	30			10	10		10		-4--7
6	15	59	890		30	50				550	260	50	10		10					-4-7-
7	6	59	1850	30	30	160				1280	350		10							-4-77
7	20	59	930	50		50		120	50	540	120									-4---
8	3	59	510			30				370	110	20								-4---
8	17	59	1840	70	50	160		250	30	1010	270		4400		10		10			-4-37
9	10	59	1230	70		70		140	30	740	180	10	10					10		-4--7
9	21	59	2130			130		90		1520	390									-4-7-

PHS-2645-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	970		20	130		20		640	160					100				-4--7
11	3	58	2870	100	40	410				1940	380						100			-4-77
12	8	58	2700			220				1880	600									-4-77
1	5	59	5510			100				5250	160					100				-4--7
2	2	59	1580		100	50			30	1050	350			100						-4---
3	9	59	2150		30	160				1110	850		100	100						-4-77
4	6	59	1930		140	90		140	30	1100	430	200	200				100			-4-7-
4	20	59	3340		30	90			70	2300	850			2200						-4-77
5	4	59	1900		50	70		70	50	1190	470	10	10		20		10	10		-4--7
5	18	59	1750			50		30		930	740	20	10							-4-77
6	1	59	910	30				70		370	440	10	10					10		-4-7-
6	15	59	1150		30			30		610	480	20								-4-7-
7	6	59	4330	50		390		180		3310	400	8800								-4-77
7	20	59	1560			50		30		1190	290	10	20		20	10				-4---
8	3	59	1600	50		90		30		720	710	20	10		10	10				-4-77
8	17	59	870			70		30		540	230	10								-4--7
8	31	59	2130	70	30	220		110		1260	440	10	11000							-4-77
9	21	59	3000	160		270		240	30	1730	570									-4-77

PHS-2645-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE: MISSOURI
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION: MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	1430			100		400		680	250									-4--7
11	3	58	3260			820				1130	1310			100						-4-27
12	8	58	3360		100	160				2160	940									-4-77
1	5	59	10570		50	130		150	170	9510	560		200							349--
2	2	59	3140	70	190	370		190	30	1900	390	200		100						54---
3	2	59	1190		50	30		30		430	650			100						34-7-
4	6	59	2300			30		70		1480	720	400		100		100		100		-4-77
4	20	59	3230		230			180	70	1610	1140	20	2200							-4-77
5	4	59	1990		50	70	30	70		1210	560	30								34---
5	18	59	2820	30	90	180		110		1560	850	20								34977
6	1	59	880	30				30	30	350	440	10	20							-4-7-
6	15	59	1110		30	90		70		570	350	10	10							-4---
7	6	59	4130	50	70	310		160		2910	630		20							-4-7-
7	22	59	2230			140				1690	400									-4-7-
8	3	59	2090			70		180	30	1500	310	20					10			-4-77
8	17	59	680					30		390	260	10	60							-4---
9	8	59	4530	130		350		90		3200	760				10					-4-77
9	22	59	3710	30		670		120	100	2310	480									-4-77

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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See explanation for interpretation)
10	13	58	2330	40		220				1750	320									-----
11	3	58	2700		40	190				1560	910		300	200						-4-77
12	1	58	2160			410				1500	250					100				34-27
1	5	59	24440	50	70	330		700	330	22710	250		200							-4831
2	2	59	9310	160	390	1420		760	70	6300	210	300		100	400	200				54---
3	2	59	2760			70		50		1640	1000		400							-4-77
4	6	59	3790		90	110		50		2430	1110	200	200	100						-4-77
4	20	59	16830	200	180	1350		310	70	13290	1430	20	2200	4400		10				54375
5	4	59	5530	30	90	310		70	50	3740	1240	10	10		10		10			34977
5	18	59	4120	90	140	580		320		2320	670		10		20					-4177
6	1	59	3270		90	140		130		1950	960	30			10					-4-77
6	15	59	2440	500	140	90		90	30	1230	360	20			20					-437-
7	6	59	4840	110	110	330		200		3370	720	20	10		10	10				-4-77
8	3	59	3270	220	30	270		70	70	2280	330		6500		10		10			-4-77
8	10	59	1550	90	50	50			30	1010	320	10								-4--7
9	8	59	6730	420		610		180	70	4430	1020	10				10				-4377
9	21	59	4680	120		370		50		2790	1350									-4-77

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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS

STATION LOCATION MISSISSIPPI RIVER AT BURLINGTON, IOWA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	3450			380				2910	160					100				-4--7
11	3	58	9050	70	160	910				7620	290									-4-27
12	8	58	15210		160	410				14390	250									-4---
1	5	59	4980	20	20	20		330	50	4410	130									-4-3-
2	2	59	890			140			30	690	30		100			100				-4---
3	2	59	4190		200	130				2860	1000	100	100							-497-
4	6	59	3850	90	210	470		140	50	2280	610	100								54-77
4	20	59	25930	30		1220		500		22730	1450		2200							54775
5	4	59	4850	50	70	520		200	200	3130	680	300	200			10	10			34-43
5	18	59	18780	370	460	1890		670	130	13460	1800	10	15000		220		10			34977
6	1	59	2380	70	90	340	30	240		1250	360									-4-37
6	15	59	4630	90		370		200		3680	290	10				10	10			-4--7
7	6	59	1930	70		180		70		1350	260									-4---
7	20	59	3590	240		390		220		2410	330	30								-437-
8	3	59	9300	90	30	460		110	160	7670	780	20						10		-4977
8	17	59	2450	180	90	110		120		1850	100		20							-43-7
9	21	59	6240	300	30	830		70		4640	370	10			10	10				-4377

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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT DUBUQUE, IOWA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCCID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
12	8	58	6040			130				5590	320									34---
1	5	59	1630	40	50	70		310	70	920	170									-4-3-
2	2	59	2090	210	30	140		70		1640				100	200	100				-4---
3	2	59	350			30			30	110	180	100			100					-----
4	6	59	3420		90	780			50	1480	1020	100	100	100	100					54777
4	13	59	26870		30	720		50	70	25300	700	10	2200	11000						34-25
5	4	59	9210		50	180		160		7140	1680	10	10	10		20	10		20	34-77
6	1	59	3030	250	120	340		470	30	1500	320	10					30			54-37
7	20	59	4210	200	1350	720		200		1650	90				10		10			-2323
8	10	59	3280	450	990	490			120	1160	70	50	30							243-7
8	17	59	2770	160	420	110		30	70	1890	90	20	10		20		10			243-7
8	24	59	3450	470	120	50		230		2350	230									-4377
8	31	59	3750	110	220	160		90	90	2790	290	20								-4--7
9	14	59	3820	470	160	320		470	120	2100	180	10								-4337
9	21	59	1780	50	70	190	30	30	50	1240	120	10	10			10	10			-4--7

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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE MINNESOTA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	14	58	24330	100	130	2340		130		2..220	410					200	100			54-27
11	10	58	12800		100	570		40	70	11610	410		3000							-4-77
12	9	58	10450		70	470		40		9430	440									-4-75
1	13	59	3010			20		70	20	2880	20		400							-4---
2	10	59	2520	50	280	350		30	120	1530	160		200							54--4
3	11	59	9040		240	5170		350	240	2730	310	100	200	300						54-25
4	14	59	81590	180	270	9260		360	90	69510	1920		400	100		100				54-75
4	20	59	62490	180	380	410		50	120	58920	2430	30	20		10		200			-4774
5	12	59	29890	220	850	2280		650	330	22900	2660	10	440	220		10	30		10	34777
5	26	59	15190	450	200	1100		830	250	11200	1160	20	22000			10				-4377
6	8	59	25380	310	130	3230		370	110	18820	2410	20	10		20					54777
6	22	59	22660	720	230	2820		610	180	16910	1190	20	4400		10	20	10		10	-4977
7	13	59	18990	290	200	1690		420	110	15190	1090	11000	13200		10	20	10			54377
7	28	59	49880	3130	370	2420		700	260	40380	2620	11000				20				-4377
8	11	59	26030	560	1160	1650	50	410	50	21230	920	30	6500		10		10			-4-27
8	25	59	9210	760	160	1280		200	610	5530	670	20	4400		10					-4377
9	9	59	7780	160	180	1080		140	90	5590	540	10	11000		8800		10	10		-4877
9	22	59	7460	720	180	1520		940	360	3380	360	8800	4400		10					-4337

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WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER M36 AT ST. LOUIS, MISSOURI

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	13	58	390			160				100	430									----
11	10	58	4890			290				4310	290									-4-77
12	8	58	1790			190				470	1130									-477-
1	12	59	1010					40	40	660	270			100						-4-7-
2	9	59	1660		50			460		960	190							100		-4-3-
3	9	59	720			50		30	30	160	450	100					100			-4-7-
4	13	59	3420	30		200		240		1780	1170		400	100	100			100		-4-73
5	4	59	1660			50		50		520	1040		2200							34-7-
5	18	59	810		70			50	50	230	410	10								-4-7-
6	1	59	910	30	30	50		50		370	380	20						10	10	-4---
6	15	59	1330			90				500	740	50								34-7-
7	6	59	370		50					160	160	20	4400							-4---
7	20	59	2610			70		50		2140	350	30			20					-4-77
8	3	59	2300			160		70		1390	680	30								-4-77
8	17	59	1200	30	30	50		230	30	560	270	30	10			10				-4--7
9	8	59	1450	70		120		270	90	560	340									-4-7-
9	21	59	10840	70	110	1890		780	70	6960	960	20			10					-4-23

PHS 2048-B
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WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE KANSAS
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								DOMINANT ORGANISMS (See Introduction for interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	
10	6	58	5100	100		1440				2000	1560									-4-77
11	10	58	1670		40	190				660	780									-4-7-
12	8	58	1700			220				320	1160									34-7-
1	5	59	890					90	130	560	110									-4---
2	9	59	1880	50	190	530		250		350	510		100							54-3-
3	9	59	2170		160	110			50	570	1280	100		100						-477-
4	6	59	4270		120	700	70	250		1480	1650	100		300						54373
4	20	59	1090			30		140		160	760									---73
5	11	59	1370		50	30	30	90	120	560	490		10							-4--3
5	18	59	2970	30		270		70		1300	1300		4400							-4-7-
6	8	59	820		30			90		290	410	40	10		10					-4---
6	15	59	850	70				30	30	260	460	30	20							-4-7-
7	6	59	610	50		30		50		340	140	20								-4---
7	20	59	3470	90	70	290		180	180	2230	430	30	10	10						-4--7
8	3	59	2480	30	50	240		110		1480	570	20	30		10					-4-77
8	17	59	1390	50	50	70		290	30	700	200	30	10					10		-4-3-
9	8	59	3080	120	30	390		430	50	1810	250	30					50			-4-37
9	21	59	2180		50	110		130		1020	870									-4-7-

PHS 2645-5
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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT ST. JOSEPH, MISSOURI

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	8	58	4790	100		750				2160	1780									-4-77
11	3	58	2290			630				850	810									54-7-
12	1	58	980			40				530	410									-4-7-
1	5	59	1300			40				1130	130									-4---
2	2	59	2720	320		50		1480		710	160		500	200						3433-
3	3	59	1160		50			50		210	850	100	100	100		100			10	-5-7-
3	30	59	6040		50	1520		90		1520	2860	100	100				200			54773
4	13	59	6570	50	210	810		160	30	4260	1050			100						54-74
5	4	59	500							140	360	10	20		10			10		-----
5	18	59	8430		70	980		130	70	2980	4200	20	10							-4775
6	3	59	650		30			50		230	340	10	10					10		-4---
6	15	59	730				30	90		450	160	20	10						10	-4---
6	29	59	520			70		70		200	180	20								----7
7	21	59	4590			550		50		2870	1120	20	10		10					-4777
8	3	59	540	50	30			50		250	160		20							-4---
8	17	59	3370	160	140	450	30	700	120	1480	290	40	4400							-4-37
8	25	59	7290	70		910		310	50	5250	700		4400							-4-75
9	21	59	1040	70	70	70		90		270	470									-4-7-

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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE: NEBRASKA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER M642 AT OMAHA, NEBRASKA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Interpretation for Interpretation)
10	27	58	890		20	110				570	190									-4---
11	24	58	1730			100				1280	350									34---
12	22	58	950			100				470	380									34---
1	19	59	1970					90	90	1580	210									34---
2	16	59	2130			1370		140	50	250	320		100		100					54--3
3	16	59	3010	430	290	630			50	1030	580	200	100	100			10			54367
4	23	59	2740	90	230	70				1810	540	10	30	10						-4-74
5	4	59	9690	30		1650		220	780	5360	1650	10	10	11000	10					54-72
5	18	59	7590			340		180		6050	1020	20	4400		10		10			34-75
6	1	59	540			30		30		270	210	10	10					30		-4---
6	15	59	10340	30	110	440		240	50	7780	1690		4400							34377
7	6	59	10830			440		390	30	9080	890	4400	10		10		10			-4-77
7	20	59	6820		30	700		260	30	5120	680		10		4400					-4-7-
8	3	59	1310		30	50		50		830	350	10	20		10					-4-7-
8	17	59	4840	70	30	1000		160	30	2920	630	40								-4-27
9	7	59	3000	30	120	400		1030	30	1100	290	30			20					-4-37
9	21	59	3410	160	30	540		200	50	1820	610									-4-77

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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE SOUTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER M841 AT YANKTON, SOUTH DAKOTA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA									
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Interpretation for Interpretation)
10	6	58	2080			470				540	1070									-4-7-
11	3	58	1290			190				850	250									-4---
12	1	58	370			40			40	190	100									-4---
1	5	59	710					20		620	70									34---
2	2	59	910		30	160		70		300	350	100								---33
3	2	59	1390	30	50	50	30	780		90	360	200								54-7-
4	6	59	12960			8340				4200	420	100		400		100	100		100	-4-74
4	20	59	3840	250	470	210			180	2320	410	10	20		10	10				-4-7-
5	4	59	1590	70		50			50	1110	310	100					300			54321
5	18	59	3480	740	90	1050		180	320	870	230	10								34---
6	1	59	750			30				350	370	10	4400				10			-4-75
6	15	59	3150	130		650		70	30	1980	290	10								-----
7	6	59	900	70		250		230	140	160	50	20								-4-7-
7	20	59	1430	30		90				1000	310	20	10							-4---
8	3	59	550	50		160				310	30	20			10					-4-25
8	17	59	1170	180	140	430		50	70	270	30	10								-4---
9	8	59	1240	120	70	180		180	30	540	120	10								-49--
9	21	59	1940	30		350		680		720	160				10					

PHS-2040-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE: NORTH DAKOTA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: MISSOURI-SOURIS RIVERS
STATION LOCATION: MISSOURI RIVER M1377.4 AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA				ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Appendix for interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS					
10	6	58	150		20	40				50	40									------
11	12	58	110							40	70									------
12	15	58	160	30	50	50					30			10						------
1	6	59	170			20				110	40		200							------
2	9	59	60					30			30									------
3	3	59	90								90									------
4	6	59	770		90			50		70	560		100		100					----7-
5	5	59	1050			70		50	50	740	140		220	220						-4----
6	2	59	870	120	30	50		120	120	160	270									-4----
7	6	59	700							130	570									----7-
8	4	59	560					30		30	500									----7-
9	1	59	320	30						110	180									------

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE NORTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN MISSOURI-SOURIS RIVERS

STATION LOCATION MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA				ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See instruction for interpretation)
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS					
10	8	58	8850	40		630				1720	6460			100						34775
11	5	58	1300	70		40				130	1060									---7-
12	10	58	390		70					70	250									---7-
1	7	59	460			20				330	110									-4---
2	4	59	270		50					30	190									-----
3	2	59	420					30		70	350									---7-
4	6	59	1100					90		180	890	100	100			100				--97-
5	4	59	1760		30	70		140		230	1340	10			10	10				-4-43
6	8	59	2740			70		160			2530	20	10							--773
7	8	59	510		50					140	160									-----
8	5	59	7330	50	310	630		350	30	2680	3660									-477-
9	2	59	9970	200	110	1370				2650	5260									-4-73

PHS-2848-S
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE ILLINOIS

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT CAIRO, ILLINOIS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Appendix for list of interpretations)
10	28	58	6750	1310	390	1060	20	330	20	3330	290		200		200	200				-4334
11	24	58	6790	120	70	600	70	370		4700	860		200		200	200				-4-77
12	29	58	5100		20	150		130	20	4550	230									-4--7
1	26	59	3400	70	140	120			30	2370	670		100	100						-4777
3	2	59	370			30				200	140									-4---
4	6	59	2990	30	90	90		130	90	1430	1130	100	100	100						-4-73
4	20	59	1770		320	30		50		940	430	10	10							-4-74
5	4	59	3130			30		70		2550	480		220	440						-4-77
5	18	59	1800	30		190		50	30	1020	480		10			10				-4-77
6	1	59	1160	50		180		70		600	260							10		-4--7
6	15	59	1760	140	70	90		50		1250	160		10							-4---
7	6	59	3410	180	70	720		50	30	1830	530	50								-4327
7	20	59	850	140		200				480	30	10			10					-4---
8	4	59	350	50		30				220	50		10							-4---
8	17	59	410	90	50			30	30	160	50									-----
9	1	59	610	230	140				70	140	30	4400			10					--3--
9	21	59	120	50						70										-----

PHS-2645-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE INDIANA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT EVANSVILLE, INDIANA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	9130	170	150	740		350	20	6210	1490									-4977
11	3	58	6210	450	250	2680		150		2270	410				800					54327
12	8	58	8060		70	1980		370		4800	840		200			100				-4-27
1	12	59	780			20		20	20	310	410									-4-7-
2	2	59	920	30	100	50				210	530	300				100				--7--
3	2	59	1320		70			50	30	120	1050	100			200					-5-7-
3	30	59	820	120	160	120		70		230	120	100		200	100					-4---
4	6	59	840		50	50		50		200	490		300	100						-4-7-
4	29	59	1830	50		30				1410	340									-4-7-
8	10	59	9250	1240	1840	2680	1630	70		1310	480				10					14322
9	1	59	3210	540	360	870	500	180	230	410	120	10			10		10			16327

PHS-2645-S
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER M510 AT CINCINNATI, OHIO

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	9860	170	40	2120		780	130	5840	780		300		300	500			200	-4-37
11	5	58	11870	150	450	1840	290	270		6700	2170		100			800				34-77
12	10	58	2420		70	150	20	50	20	1130	980		200							-4777
1	7	59	820			40		20		330	420		100	100						-4---
2	4	59	750		50	50		30		210	410	200		100	100					-----
3	4	59	530			30				130	370	400								-5---
4	1	59	890	50	30	70		70	70	30	570	100		100						---7-
4	15	59	1100			130		70		200	700									---7-
5	6	59	3520			70		70	50	1200	2130		15400	220						34773
5	20	59	3040	70	50	320		90	70	850	1590			10						34-75
6	1	59	10610	330	180	1580		50	50	6550	1870	4400	10				10			34377
6	15	59	23430	350	50	1420	30	930	160	18970	1520	6600	13200		20	10	20			54377
7	6	59	20330	310	160	830		640	220	16280	1890	20	19800		10	20	10			54337
7	20	59	7610	630	2810	1810		310	180	1540	330		8800		11000	10				-6323
7	20	59	5570	920	180	1770		540	320	1230	610	70			10		10			-4-72
8	5	59	3220	240	350	240			70	2080	240	10	8800		10		10			-4-77
8	19	59	18980	1170	13590	1460		70	240	800	1650	10	4400		11000		10			26374
9	2	59	1480	460	310	240		30		200	240				4400		20			-4374
9	23	59	30010	12370	15000	1070		30		1190	350	6600	3680				10			26375

PHS-2545-B
1-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE: WEST VIRGINIA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENTOUS	COCCOID	FILA-MENTOUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	3410	110	70	880		90	230	1820	210		100		100	200			100	54--7
11	3	58	9660	230	490	4410	90	130	230	2810	1270		600			200			100	54-23
12	1	58	1340		50	250		190		540	310		100							-4-7-
1	5	59	710					20		150	640									---7-
2	2	59	810	70		30				140	570	100		100						---7-
3	2	59	420		70	120				70	160									-----
4	6	59	2460		180	90		30		330	1830	200		100		100		100		-5775
4	20	59	1310	30				50	30	520	680	20	10				10			-4-7-
5	4	59	2320		30			50	50	610	1580		24200							34473
5	18	59	2400	90	70	320		160	70	500	1490				20					34-7-
6	1	59	8650	540	110	1240		260	370	4340	1790	22000	8800		10	10	10	10		34377
6	15	59	4580	390		790	30		70	2620	680	10			10	40	10			54377
7	6	59	9100	350		740		200	70	6130	1610		10				10			-4-77
7	20	59	6420	760	110	1450				2990	1110	30			17600					-4377
8	3	59	10340	880	4110	2320	70	340	270	1230	1120	20	11000		4400			10		-6-23
8	17	59	6410	440	1690	1020	30	30	160	1610	1430				4400	10				26-77
9	8	59	11430	2510	220	6670		1170	130	290	440	15000	13200			1000				-8335
9	21	59	10930	1380	2150	2410		180	30	3460	1320		10			10	10			-4377

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE OHIO
MAJOR BASIN OHIO RIVER
SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION OHIO RIVER AT
EAST LIVERPOOL, OHIO

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	1260	20	20	450		110		330	330		200							-8-73
11	6	58	1390		50	370		490		210	270									-4-3-
12	1	58	1010		110	40		130	20	150	560		400			100				--77-
1	6	59	920		20				50	110	740					100				--77-
2	2	59	270	70	70					30	100									-----
3	2	59	90		90							100	100						100	-----
4	7	59	1020		140	30				70	780									--77-
4	20	59	1370	30		70		130	30	670	440			2200						-4-7-
5	4	59	1140		70	90		230	30	90	630	10								-1-7-
5	19	59	1550	70	70	340		720	50	50	250	10								-1-3-
6	1	59	4920	610	360	2260		650	250	250	540	30	4400							--335
6	15	59	9540	880	70	3960		700	110	2210	1610	6600	8800		10	10				54375
7	6	59	3110	70	70	1130		90	30	1130	590	20	10		10	10				54-75
7	20	59	5570	920	180	1770		540	320	1230	610	70			10		10			-4-72
8	10	59	6380	90		5170		130	90	480	420	10			10		20			-8-25
8	24	59	5150	480	30	1330		200	310	1760	1040		10			20	10			-4377
9	1	59	9190	300	140	3730		60	30	2510	2420				10			10		54575
9	21	59	10940	220	110	4980		180	50	2830	2570	10	50					10		-4127

PHS 2645 3
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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	43160	90		1190		12080	110	26360	3330									-4-33
11	10	58	2580		20	210		90	50	1880	330									-4---
12	8	58	1060		110	20				290	640									-477-
1	12	59	790					20		130	640									--73-
2	10	59	130					30			100									-----
3	2	59	510							30	480									-----
4	6	59	1850					90		240	1520	100	100		100			100		-4773
5	4	59	1210		30			50	30	90	1010	20					10			--77-
6	1	59	3940	610	230	670		580	50	1190	610	20			10					54333
7	6	59	3650	440	70	1590		90		1150	310	6600								5437-
8	3	59	5030	1030	50	2830			160	580	380	10	40		10					78323
8	31	59	3070	740	50	1490		50	90	580	70	40								-4325

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WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE: MARYLAND
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: POTOMAC RIVER
STATION LOCATION: POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	2600	20		190		310		1710	370		100							-473-
11	11	58	1020					130		130	760									--7-3
12	8	58	640		20	50		130		150	290									-----
1	5	59	390		20	70		20		70	210									-----
2	2	59	330		50					70	210	100				100				-----
3	2	59	190						50	30	110			100						-----
4	6	59	1180		30			30		50	1070				100					--773
5	11	59	1890		30	200		220		830	610	10	10				10			-477-
6	8	59	1920		30	160		30		440	1260	10								-4773
7	13	59	480	210		50		30	30	70	90	10								-----
8	3	59	1000	260		260		70	30	200	180	10								-43--
8	31	59	670	50		70				50	500									-----

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE: LOUISIANA
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: LOWER RED RIVER BELOW DENISON
STATION LOCATION: RED RIVER AT ALEXANDRIA, LOUISIANA

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS See Introduction for Interpretation
10	10	58	4760	100	2030	810				1000	820									54-74
11	10	58	3990	40	630	1690				1380	250									-4825
12	15	58	1580			100				1320	160									-4--7
1	5	59	6310			90		2940		3170	110									-4-3-
2	3	59	1120	50	100	50		50		550	320						100			-4-77
3	9	59	1780		30	520		90	50	780	310		200	700	100	100				54-77
4	6	59	1480	110		70		240		520	540									-477-
5	18	59	4440	270	490	490		70	140	2170	810	10	20		10					-4-77
6	2	59	1340	30	50	110		30		890	230	10	30					10		-4977
7	6	59	6850	140	3750	700		160	90	1540	470		10				10			26873
8	24	59	8350	810	4550	790		50		1100	1050	20	20				10			26373
9	1	59	29070	3740	17090	2340		50		2400	3450	10								26374

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE ARKANSAS
MAJOR BASIN SOUTHWEST LOWER MISSISSIPPI
SUB BASIN LOWER RED RIVER BELOW DENISON
STATION LOCATION RED RIVER AT
INDEX, ARKANSAS

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
9	1	59	8460	2640	2730	560		270	830	560	870	20	20				10			26371

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE TEXAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT DENISON, TEXAS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	2870	500	1070	880				100	320		100				100			5637-
11	10	58	680	40		410				130	100									5----
12	1	58	1510			690				350	470									54-7-
1	5	59	2080			40		680		1210	150									-4-3-
2	3	59	760	30	100	280		160		140	50	100								-----
3	2	59	150	50	30						70	200								-----
4	7	59	610			70		310		70	460									---3-
5	4	59	200					50	30	120		10								-----
6	1	59	340			50				220	70	10								-4---
7	6	59	110		30	50					30	10								-----
8	3	59	1010		330	70		30	70	90	420		10							-6-7-
9	8	59	1920	180	540	430		180	50	250	290	10	20							2483-

PHS-2049-9
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE TEXAS
MAJOR BASIN WESTERN GULF
SUB BASIN LOWER RIO GRANDE BELOW PECOS
STATION LOCATION RIO GRANDE RIVER AT LAREDO, TEXAS

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILAMENTOUS	COCCOID	FILAMENTOUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	830			110				310	410									-4---
11	10	58	100					20		20	60									-----
12	9	58	34510	250		490		6980	50	26080	660									54333
1	5	59	3170	20		170		150	70	450	2310									-477-
2	3	59	790	70	100					50	570									---7-
3	3	59	550						110		440									---7-
4	6	59	4940	720	250	470		120	50	230	3100			10	440					54772
5	4	59	3800			130		110		630	2930	10	10							-4-73
6	2	59	1260	70	50	320		230	30	180	380	20	20							-4-73
7	6	59	11240	1800	1000	3750		200		960	3530		10			10				-8372
8	4	59																		-----
9	1	59	530		30			50		180	270		10							-4---

PHS 2645-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN UPPER RIO GRANDE ABOVE PECOS

STATION LOCATION RIO GRANDE RIVER AT EL PASO, TEXAS

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	19100			2470		50	40	14350	2190									-4173
4	6	59	4650					50		590	4010				100	100				34773
5	4	59	3040		30	110	30	30		1190	1650		15000							-4777
6	1	59	4970	160	140	250		210	120	3150	940	10								54-77
7	7	59	2970					130		2600	240		10							-4-7-
8	3	59	7580	270	50	250		70	90	6120	730									-4-7-
8	31	59	7570	270	50	250		70	90	6120	720									-4-7-
9	8	59	2050	30	30	50		230	50	1520	140	50	30							-4---

PHS-2645-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE: GEORGIA
MAJOR BASIN: SOUTHEAST
SUB BASIN: SAVANNAH RIVER
STATION LOCATION: SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	14	58	1490	90		80	50	50	50	620	550									-477-
11	10	58	1860		20	170	50	20	20	1110	470									-4?-7
12	8	58	1380		50	20	20	110	70	860	250		100			100				-4----
1	6	59	360			20		20	20	50	250									------
2	9	59	510		50					140	320	100	100							---7-
3	9	59	470	30		30		30		110	270						100			---7-
4	6	59	1040		210	120		70	30	120	490	100		100						---7-
5	11	59	3130	30		140		50		2580	330									-4--7
6	1	59	1620	70		160		70		800	520	20	10			20				---77
7	6	59	960	90		50		50	70	560	140	20								-4--7
8	3	59	1470	340	120	270		70	160	190	320	30		10						--377
9	8	59	1780	100		690				480	510	30	10							-4-75

PHS 2040-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

STATE: SOUTH CAROLINA
MAJOR BASIN: SOUTHEAST
SUB BASIN: SAVANNAH RIVER
STATION LOCATION: SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
10	6	58	900	90		270		50	110	110	270									-----
11	3	58	630	40		170		50	70	90	210									-----
12	1	58	820		50	40		70		130	530			100						--7--
1	5	59	540			20	20			210	290									-4-7-
2	9	59	660		30	30				230	370					100				---7-
3	2	59	1470			110	30	50		180	1100	1000								-5-7-
4	6	59	940	50	50	90		90		190	470	10	10	10				10		---7-
5	4	59	380	70					30	210	70									-----
6	2	59	870	160	70	50			90	230	270	10	10							--3--
7	6	59	310	50					30	160	70									-----
8	3	59	230			30				130	70	20								-----
9	8	59	1170	70	120	70		30		300	580	10			10					-4--7

PHS 2645-3
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WAWAWAI, WASHINGTON

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Appendix for interpretation)
10	13	58	1370			110		70		270	920									-477-
11	10	58	2070			40		20		190	1820		100							--773
12	8	58	1210		20			20	20	210	940									--77-
1	5	59	1090			40		20		410	620									-477-
2	9	59	1260	50	30				50	690	440									-4-7-
3	2	59	1770		50		30	50	30	270	1340	100			100					-4-7-
4	6	59	1820							260	1560	100								34773
5	4	59	2230	30		70	30	30		480	1590	30	10				10			-4773
6	8	59	1330		70			160		90	1010	10	20							---4-
7	6	59	790			90				440	260	10								-4---
8	10	59	1830	30		110		30		590	1070	10	10							-477-
9	14	59	1090	30				30		350	680	30								-4-77

PHS 2645.5
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE: IDAHO
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: CENTRAL SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WEISER, IDAHO

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DA	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for interpretation)
10	15	58	3400	20	50	70	20	70	20	820	2330									-4773
11	5	58	1280	70	20	40		40	20	450	640									-4-7-
12	8	58	8400	90	350	120		600	90	3900	3250									-4773
1	5	59	7360			40		210	70	3900	3140									-4773
2	4	59	6760		300	50		100		4260	2050	100	200							3477-
3	9	59	12680		200	4370	30	130	70	3020	4860	100	100		100					54773
4	13	59	3270		10	90		50		1040	2080	10	4400	4400		10		10		-4773
5	18	59	4070	540	250	30		250		1190	1810	10				10				-4373
6	8	59	3710				9000			50	43080	30								-4773
8	3	59	6560	30	30	50				700	5750	10				10				-4773
8	31	59	2790		30	200	30	200	30	960	1340	20					10			-4777

PHS-2048-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER M465.3 TVA AT CHATTANOOGA, TENNESSEE

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)								PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS									
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for interpretation)
10	14	58	1210			230		190		580	210									-497-
11	18	58	1580		70	130		370	40	860	110									-4-37
12	15	58	760	20		40		150	20	510	20									-4--7
1	20	59	2840			90		390	40	2210	110									-4-37
2	17	59	400			70			50	50	230									---7-
3	17	59	1080	160	70	180		70	30	340	230									-43--
4	14	59	1150	30		130		90	50	370	480	100	2200				100			---7-
5	12	59	470	50		50		50		290	30	20								-4---
6	15	59	880	50		50		30	50	630	70		10		10					----7
7	13	59	1060			200		30		460	370	30			10					-8-77
8	18	59	670	90	30	90		30	70	180	180	10	10			10				---7-
9	15	59	1060	70	70	230		30	50	350	260									-4-7-

PHS-2645-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

STATE MONTANA

MAJOR BASIN MISSOURI RIVER

SUB BASIN YELLOWSTONE RIVER

STATION LOCATION YELLOWSTONE RIVER M30 NEAR SIDNEY, MONTANA

PLANKTON POPULATION

NUMBER PER 100 MILLILITERS, EXCEPT ALGAE

DATE OF SAMPLE			ALGAE (Number per ml.)									PROTOZOA								
				BLUE GREEN		GREEN		FLAGELLATES (Pigmented)		DIATOMS										
MONTH	DAY	YEAR	TOTAL ALGAE	COCCOID	FILA-MENT-OUS	COCCOID	FILA-MENT-OUS	GREEN	BROWN	CENTRIC	PENNATE	FLAGELLATES (Unpigmented)	CILIATES	CYSTS	OTHERS	ROTIFERS	CRUSTACEA	WORMS	OTHER ANIMAL FORMS	DOMINANT ORGANISMS (See Introduction for Interpretation)
11	3	58	2930	40		220		40		40	2590						100			3-776
12	8	58	370			40		70		110	150									------
1	5	59	200							40	160									------
2	9	59	130					30			100									------
3	9	59	680		30	30		30		50	540		100							---7-
4	6	59	2140			30		90		330	1690	100	100		100					-4-73
5	4	59	2250		30					120	2100		20	10						-5773
6	1	59	3230	70	160	200		320		560	1920	10								-4773
7	6	59	220					30		120	70									------
8	3	59	4800	180	50	610		50	90	1630	2190	4400								-4-73
9	8	59	21480	550		3200		160	70	9200	8300		50							-4875

ORGANIC CHEMICALS

PHS-3048-8
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI

SUB BASIN ARKANSAS RIVER-VAN BUREN TO MOUTH

STATION LOCATION ARKANSAS RIVER M44.5 AT PENDLETON FERRY, ARKANSAS

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
7	3	69	7	13	2947	245	81	164	2	18	31	5	4	21	1	11	6	2	11

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PHS-2049-0
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: OKLAHOMA

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: ARK. RIVER, KANS-COLO LINE TO TULSA

STATION LOCATION: ARKANSAS RIVER NEAR PONCA CITY, OKLAHOMA

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	13	5000	196	64	132	1	11	29	5	5	19	0	8	4	1	10
11	3	58	11	9	4300	349	177	172	0	16	94	19	23	36	16	41	7	4	15
12	1	58	12	8	4860	304	123	181	0	9	77	25	20	26	6	20	4	1	12
1	5	59	1	12	4890	338	176	162	0	11	120	34	40	36	10	26	5	4	10
2	2	59	2	9	5040	341	163	178	0	5	120	37	28	26	29	15	5	2	16
3	2	59	3	9	4350	263	119	144	0	5	85	23	19	31	12	6	2	1	20
4	6	59	4	13	4320	210	73	137	0	10	45	8	8	27	2	7	2	1	8
5	4	59	5	11	4980	154	85	69	2	14	36	9	6	18	3	15	6	1	11
6	1	59	6	8	4280	146	56	90	1	8	29	6	4	17	2	8	3	1	6

PHS-0600-4
1-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: KANSAS
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: ARK. RIVER. KANS-COLO LINE TO TULSA
STATION LOCATION: ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
3	3	59	3	23	5146	161	23	138	1	5	9	3	2	4	0	2	1	0	5
4	6	59	5	25	5194	176	42	134	1	12	13	2	2	6	3	5	3	1	7
6	16	59	7	10	2026	514	63	451	5	16	21	2	2	15	2	8	3	1	9

PHS-2040-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER AT YUMA, ARIZONA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
12	1	58	12	18	3380	260	48	212	0	9	19	1	2	14	2	5	2	1	12
2	6	59	2	16	3310	204	40	164	0	11	13	1	1	10	1	4	2	1	9
3	2	59	3	12	5960	91	34	57	2	10	8	0	0	7	1	3	2	1	8
3	30	59	4	7	5190	123	38	85	2	10	10	1	1	8	0	3	3	1	9
5	4	59	5	12	6000	99	31	68	1	8	8	1	1	5	1	3	3	1	7
6	1	59	6	15	5980	98	20	78	0	5	8	1	1	6	0	2	1	0	4
6	29	59	7	8	2703	286	66	220	3	11	21	1	2	17	1	7	4	1	19
8	4	59	8	12	6100	145	54	91	2	14	15	1	1	12	1	6	3	1	13
8	31	59	9	10	4360	135	25	110	0	6	9	1	1	6	1	3	1	1	5

PHS-2048-C
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: CALIFORNIA

MAJOR BASIN: COLORADO RIVER

SUB BASIN: LOWER COLORADO RIVER

STATION LOCATION: COLORADO RIVER ABOVE PARKER DAM, ARIZONA-CALIFORNIA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLOROFORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	1	58	10	14	5150	96	42	54	0	12	13	1	2	9	1	3	2	1	11
10	29	58	11	6	5010	274	127	147	4	29	35	7	4	21	3	15	11	1	32
11	26	58	12	2	5150	154	49	105	1	14	12	1	1	9	1	4	3	1	14
12	31	58	1	4	6542	115	30	85	0	8	7	0	1	5	1	2	2	1	10
1	21	59	1	30	5010	173	50	123	3	11	10	0	1	8	1	4	3	1	18
2	25	59	3	4	4830	167	32	135	1	8	10	1	1	8	0	2	1	1	9
3	24	59	4	1	5170	143	40	103	0	18	8	0	0	8	0	4	2	1	7
4	20	59	5	1	5030	158	64	94	5	18	13	1	1	10	1	6	7	1	14
5	20	59	5	26	5650	185	57	128	2	15	13	1	1	10	1	5	5	1	16
6	15	59	6	24	6160	179	45	134	1	12	13	1	1	10	1	4	4	1	10
7	13	59	7	22	4970	174	51	123	3	12	14	1	1	11	1	5	4	1	12
8	19	59	8	29	5260	180	41	139	1	10	11	1	1	8	1	5	2	1	11
9	24	59	10	2	5160	150	28	122	1	7	10	1	1	8	0	3	1	1	5

PHS-2040-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEVADA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	9	58	10	23	5170	166	40	126	0	10	11	1	2	8	0	5	4	1	9
11	3	58	11	28	4953	194	58	136	1	14	10	0	1	8	1	5	5	1	22
12	17	58	1	9	5105	214	41	173	0	12	9	0	1	7	1	4	4	2	10
1	27	59	2	20	5076	232	65	167	2	17	11	0	0	10	1	5	7	1	22
3	5	59	3	22	5296	173	34	139	2	7	9	0	1	7	1	4	2	1	9
4	7	59	4	21	5220	165	47	118	1	12	10	0	0	10	0	5	5	1	13
5	12	59	5	22	5319	195	44	151	2	10	10	0	1	8	1	5	4	1	12
6	2	59	6	15	5063	196	48	148	3	12	11	1	1	9	0	4	5	1	12
6	29	59	7	9	5008	230	64	166	1	14	13	1	1	11	0	6	5	1	24
7	20	59	8	1	5003	183	56	127	2	15	11	1	1	9	0	5	7	1	15
8	18	59	8	30	5471	167	44	123	2	12	8	0	1	7	0	5	4	1	12
9	22	59	10	12	5016	191	32	159	2	7	11	0	1	9	1	4	2	1	5

PHS-2048-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: OREGON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER M552 AT CLATSKANIE, OREGON

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	20	58	10	30	2800	220	48	172	2	9	15	2	2	11	0	6	3	1	12
11	25	58	12	9	3280	159	46	113	0	10	11	1	1	8	1	6	4	0	15
12	23	58	1	2	3060	150	35	115	0	8	13	2	2	8	1	4	2	1	7
1	27	59	2	27	4010	144	31	113	1	8	10	1	1	7	1	4	2	1	5
3	10	59	3	24	4620	110	34	76	1	8	9	1	1	7	0	4	3	0	9
4	28	59	5	8	3500	178	75	103	3	20	22	3	3	13	3	9	9	1	11
5	26	59	6	5	2520	183	55	128	2	13	13	1	1	10	1	6	4	1	16
6	30	59	7	16	2640	215	68	147	3	14	23	1	2	18	2	8	5	1	14
7	28	59	8	5	2350	192	30	162	1	4	16	3	2	10	1	5	2	1	1
9	29	59	10	12	4420	99	22	77	0	4	12	2	2	8	0	3	1	0	2

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE OREGON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	20	8864	52	16	36	0	4	6	1	0	5	0	2	1	0	3
11	3	58	11	17	7005	60	21	39	0	5	9	1	1	7	0	2	1	1	3
12	1	58	12	15	6424	69	20	49	0	4	7	1	1	5	0	2	1	0	6
12	29	58	1	12	8720	80	20	60	0	5	6	0	1	4	1	2	2	1	4
1	26	59	2	9	7596	82	21	61	1	5	6	0	0	6	0	2	2	1	4
2	24	59	3	9	5180	113	27	86	1	5	10	1	1	7	1	3	1	1	6
3	30	59	4	13	4192	118	24	94	1	6	7	1	1	5	0	2	1	1	6
4	27	59	5	11	4737	81	26	55	1	7	7	1	1	5	0	3	2	1	5
6	1	59	6	15	3127	120	33	87	1	9	9	1	1	6	1	3	2	1	8
7	6	59	7	20	4092	134	25	109	1	7	7	1	1	5	0	3	1	1	5
8	3	59	8	17	5592	79	22	57	1	5	7	1	1	5	0	3	2	0	4
9	21	59	10	5	5078	77	23	54	1	6	7	1	1	5	0	3	1	1	4

WQe-2048-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: COLUMBIA RIVER AT PASCO, WASHINGTON

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	7	58	10	27	11190	49	16	33	0	3	6	1	1	3	1	2	1	1	3
11	10	58	11	25	10880	53	15	38	2	2	4	0	0	4	0	2	1	0	4
12	15	58	1	2	11550	71	17	54	0	4	5	0	0	5	0	1	1	0	6
1	12	59	2	2	11080	76	30	46	1	7	6	0	0	5	1	2	2	0	12
2	16	59	3	2	9520	64	16	48	1	4	5	0	0	5	0	1	1	0	4
3	16	59	3	29	13600	64	12	52	1	3	3	0	0	3	0	1	1	0	3
4	20	59	4	28	4060	104	34	70	3	7	11	1	1	8	1	3	2	0	8
5	11	59	5	25	3000	205	73	132	1	20	15	1	1	12	1	8	8	1	20
6	8	59	6	24	3150	168	47	121	2	13	10	1	1	8	0	5	4	0	13
7	6	59	7	21	3860	126	41	85	2	10	10	1	1	8	0	6	3	1	9
8	17	59	8	24	4250	90	24	66	1	5	10	1	1	7	1	4	1	0	3
9	21	59	9	29	1540	182	28	154	1	7	12	2	2	8	0	3	1	1	3

PHS-2045-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER ABOVE YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT WENATCHEE, WASHINGTON

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
											NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	21	58	10	30	4933	83	26	57	1	6	10	3	2	5	0	3	1	1	4
3	2	59	3	11	4371	81	21	60	1	5	9	2	2	5	0	2	1	0	3
3	30	59	4	8	5200	68	15	53	0	4	6	1	1	4	0	1	1	0	3
5	4	59	5	11	4373	83	28	55	2	7	8	2	1	5	0	3	2	0	6
6	1	59	6	11	4620	81	26	55	1	8	7	1	1	4	1	2	1	1	6
7	6	59	7	14	3640	155	37	118	1	10	11	2	1	7	1	4	3	0	8
8	4	59	8	17	5800	97	32	65	1	8	10	3	1	6	0	4	3	0	6
9	1	59	9	14	6420	68	22	46	0	5	10	3	2	5	0	2	1	0	4

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE PENNSYLVANIA

MAJOR BASIN NORTH ATLANTIC

SUB BASIN DELAWARE-SCHUYLKILL RIVERS

STATION LOCATION DELAWARE RIVER M90 AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
3	30	59	4	7	4998	41	14	27	0	3	8	3	1	4	0	1	0	0	2

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: PENNSYLVANIA
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: DELAWARE-LEHIGH RIVERS
STATION LOCATION: DELAWARE RIVER AT EASTON, PENNSYLVANIA

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
											NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	1	58	10	10	6037	76	33	43	3	8	10	1	1	7	1	2	2	1	7
12	1	58	12	10	5137	105	30	75	0	11	8	1	1	6	0	3	1	0	7
1	2	59	1	12	5460	84	29	55	0	8	9	1	1	6	1	3	2	1	6
2	1	59	2	10	6180	104	37	67	1	9	11	1	1	8	1	4	2	1	9
2	23	59	3	11	6082	–	42	–	3	10	11	1	1	8	1	3	3	1	11
3	30	59	4	10	5565	97	27	70	6	4	7	1	1	5	0	3	1	1	5
5	1	59	5	11	5895	88	38	50	3	10	10	1	1	7	1	3	2	1	9
6	1	59	6	11	6353	79	28	51	1	6	10	1	1	7	1	3	1	1	6
7	5	59	7	11	3212	129	25	104	1	6	10	1	1	7	1	2	1	1	4
8	4	59	8	13	5992	92	33	59	2	7	12	2	1	8	1	3	2	1	6
9	1	59	9	10	5580	87	26	61	1	6	12	2	1	8	1	2	1	1	3

PHS-2645-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LAKE ERIE-NIAGARA

STATION LOCATION LAKE ERIE AT
BUFFALO, NEW YORK

DATE OF SAMPLE						EXTRACTABLES			CHLOROFORM EXTRACTABLES										
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY	GALLONS FILTERED	TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	5	58	11	14	5047	132	25	107	0	5	8	1	1	5	1	3	2	1	6
12	3	58	12	10	3788	235	59	176	0	18	18	2	2	13	1	6	4	1	12
2	16	59	3	2	5400	171	40	131	2	11	12	1	1	10	0	4	2	1	8
3	18	59	3	26	4561	177	44	133	5	11	9	0	1	7	1	4	3	1	11
4	6	59	4	15	4807	176	44	132	3	11	12	1	1	9	1	5	3	1	9
4	29	59	5	8	3613	181	53	128	5	15	14	2	2	10	0	5	4	2	8
5	20	59	5	28	5032	169	54	115	4	14	14	1	1	10	2	9	4	1	8
6	8	59	6	16	3698	261	55	206	1	14	21	2	2	16	1	7	3	1	8
7	6	59	7	13	4563	214	64	150	4	17	18	2	2	12	2	7	6	1	11
8	3	59	8	12	4598	212	58	154	1	15	20	1	3	14	2	7	3	1	11
9	2	59	9	8	5137	158	41	117	5	5	14	2	2	9	1	5	2	1	9

PHS-2643-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE OF SAMPLE						EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY	GALLONS FILTERED	TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	5	58	11	19	7845	94	21	73	0	6	7	0	1	5	1	2	1	0	5
12	3	58	12	16	10687	71	13	58	0	4	4	0	1	3	0	1	1	0	3
1	6	59	1	19	9720	126	25	101	1	6	8	2	1	5	0	3	1	0	6
2	10	59	2	19	7492	104	21	83	1	7	6	1	1	3	1	2	1	0	4
3	10	59	3	20	8910	83	30	53	1	8	10	1	1	7	1	3	2	1	5
4	7	59	4	21	8692	97	31	66	2	9	8	1	1	6	0	3	2	1	6
5	5	59	5	20	14940	74	25	49	1	6	10	2	2	6	0	4	1	0	3
6	2	59	6	17	13657	59	15	44	0	4	6	1	1	4	0	2	1	0	2
7	6	59	7	19	5790	149	33	116	1	10	12	2	1	8	1	3	2	1	4
8	11	59	8	18	6442	94	19	75	1	5	7	1	1	5	0	2	1	0	3
9	2	59	9	15	9142	66	18	48	0	4	7	1	1	4	1	3	2	1	1

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MINNESOTA

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN LAKE SUPERIOR

STATION LOCATION LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	3	58	11	17	4575	113	21	92	0	9	4	0	1	3	0	2	2	1	3
12	1	58	12	15	5617	139	34	105	1	13	4	1	0	3	0	2	3	0	11
1	5	59	1	19	5197	145	29	116	3	9	4	0	1	3	0	1	2	0	10
2	2	59	2	16	5258	112	21	91	1	7	4	0	0	4	0	1	1	1	6
3	2	59	3	16	6165	101	21	80	1	7	3	0	0	3	0	1	1	0	8
4	6	59	4	20	4837	130	27	103	2	10	3	0	0	3	0	2	2	0	8
5	4	59	5	18	5843	117	26	91	2	10	4	0	0	3	1	2	2	0	6
6	1	59	6	15	6617	88	25	63	4	8	4	0	0	4	0	1	2	0	6
7	6	59	7	20	5325	137	32	105	2	9	4	0	0	3	1	3	3	1	10
8	3	59	8	17	5250	125	31	94	2	10	7	1	1	5	0	3	2	0	7
9	8	59	9	21	5745	115	26	89	1	7	6	1	1	4	0	2	1	1	8

PHS-2045-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: INDIANA
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: ST. JOSEPH RIVER
STATION LOCATION: LAKE MICHIGAN AT GARY, INDIANA

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	16	4870	147	47	100	3	11	12	1	2	8	1	5	4	1	11
11	3	58	11	11	4780	136	35	101	1	9	14	2	2	9	1	3	1	1	6
12	1	58	12	15	5000	190	50	140	0	11	20	2	4	13	1	5	3	1	9
1	5	59	1	12	5110	126	30	96	0	7	13	1	1	11	0	3	1	1	5
2	2	59	2	9	5000	155	56	99	1	6	32	4	9	18	1	6	2	2	7
3	2	59	3	10	5110	117	42	75	1	7	24	3	3	16	2	3	1	1	5
4	6	59	4	14	5040	148	50	98	2	13	14	1	2	9	2	10	3	1	7
5	4	59	5	13	4730	179	63	116	2	16	22	2	2	16	2	6	3	1	13
6	2	59	6	8	5000	136	29	107	1	7	11	2	1	7	1	3	1	1	5
7	6	59	7	13	5510	143	38	105	2	9	13	1	1	9	2	6	2	1	5
8	4	59	8	11	5020	115	34	81	1	8	12	1	1	7	3	7	1	1	4
9	7	59	9	15	5010	71	37	34	1	9	16	4	2	9	1	4	1	1	5

PHS-2648-S
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LOWER HUDSON RIVER

STATION LOCATION HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	11	1016	1106	284	822	3	62	77	3	5	66	3	37	31	6	68
11	3	58	11	13	1010	1426	486	940	29	92	122	4	13	93	12	53	49	5	136
12	1	58	12	12	5000	356	111	245	3	24	29	2	3	21	3	12	9	1	33
1	5	59	1	16	5001	331	132	199	8	25	41	2	5	30	4	15	11	1	31
2	4	59	2	14	5005	395	194	201	4	43	64	2	5	50	7	21	14	4	44
3	4	59	3	15	5233	268	135	133	7	32	43	3	4	33	3	11	15	3	24
4	1	59	4	8	5001	281	124	157	4	29	42	2	4	34	2	12	11	2	24
5	6	59	5	13	5000	239	108	131	5	28	26	1	2	14	9	8	8	1	32
6	1	59	6	12	5006	287	120	167	10	25	28	1	2	23	2	12	16	1	28
6	29	59	7	9	5360	312	124	188	4	22	31	1	2	23	5	14	14	1	38
8	5	59	8	13	5003	266	123	143	5	27	33	2	2	27	2	17	16	1	24
9	2	59	9	9	5218	214	81	133	2	15	28	2	2	23	1	12	7	2	15

PHS-2648-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: MASSACHUSETTS
MAJOR BASIN: NORTHEAST
SUB BASIN: MERRIMAC RIVER
STATION LOCATION: MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	30	58	11	5	7160	102	37	65	0	9	8	1	1	6	0	3	3	1	13
12	2	58	12	15	6097	335	181	154	4	34	49	1	5	31	12	45	13	2	34
1	7	59	1	14	5782	316	137	179	4	25	40	6	4	25	5	23	8	1	36
4	6	59	4	8	615	673	270	403	3	73	78	20	12	45	1	41	21	5	49
5	6	59	5	18	5360	145	67	78	3	15	24	6	3	15	0	8	5	1	11
6	1	59	7	6	3275	318	140	178	7	29	50	4	4	39	3	13	14	3	24
7	27	59	8	4	5250	194	112	82	3	26	40	3	3	32	2	12	11	2	18
9	9	59	9	21	5970	230	108	122	2	21	38	5	4	28	1	11	11	2	23

FWQ-2840-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE OF SAMPLE					GALLONS FILTERED	FXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS					WEAK ACIDS	STRONG ACIDS	BASES	LOSS
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS				
11	28	58	12	4	7334	121	49	72	0	10	16	0	4	11	1	5	3	1	14
1	8	59	1	13	7896	131	37	94	0	7	16	1	2	11	2	4	2	1	7
1	27	59	2	17	5906	193	54	139	1	12	24	[illegible]	2	17	4	6	3	1	7
3	12	59	3	23	6372	127	50	77	2	10	10	0	2	7	1	4	3	1	20
4	13	59	4	20	5000	281	117	164	6	30	30	1	2	25	2	11	12	2	26
5	7	59	5	13	6229	129	47	82	3	13	13	1	1	10	1	5	4	0	9
6	1	59	6	8	6229	106	28	78	1	6	8	1	1	5	1	3	2	1	7
6	22	59	6	30	6229	95	27	68	1	5	10	1	1	8	0	3	2	0	6
7	16	59	7	21	6229	96	30	66	1	7	10	1	1	8	0	4	2	1	5
8	13	59	8	18	6229	110	43	67	2	9	13	1	1	11	0	5	4	1	9
9	3	59	9	9	6229	102	26	76	0	5	9	0	1	7	1	3	2	1	6

FWS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION MISSISSIPPI RIVER AT
WEST MEMPHIS, ARKANSAS

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	20	3690	158	49	109	2	10	16	1	1	14	0	6	4	1	10
11	3	58	11	17	5080	141	34	107	1	6	18	1	3	11	3	4	2	1	2
12	1	58	12	24	2540	292	73	219	1	16	26	2	3	20	1	8	5	2	15
1	12	59	1	27	1650	332	127	205	5	30	39	3	4	29	3	13	11	3	26
6	22	59	6	29	3270	162	41	121	1	9	18	3	2	12	1	5	2	0	4
7	13	59	7	20	2570	194	60	134	2	13	20	1	2	14	3	8	5	1	11
8	17	59	8	24	4460	139	47	92	1	9	13	2	1	9	1	7	2	1	14
9	14	59	9	20	3970	129	26	103	1	4	12	1	1	7	3	3	2	1	3

PHS-2548-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI—CAPE GIRARDEAU AREA

STATION LOCATION MISSISSIPPI RIVER AT
CAPE GIRARDEAU, MISSOURI

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	3	58	11	17	2445	473	164	309	3	28	80	2	36	35	7	20	13	2	18
12	1	58	12	15	5085	265	93	172	0	11	51	5	11	24	11	11	5	1	14
1	5	59	1	19	5145	309	131	178	1	15	77	2	34	29	12	13	5	1	19
2	2	59	2	16	4237	365	133	232	3	21	65	1	21	31	12	13	9	1	21
3	2	59	3	16	4252	438	163	275	5	39	55	1	5	43	6	18	15	3	28
4	6	59	4	20	4485	257	91	166	3	23	25	1	2	19	3	11	10	2	17
5	4	59	5	18	3585	299	102	197	4	26	28	1	2	18	7	12	12	1	19
6	1	59	6	15	4575	222	77	145	5	18	19	1	1	16	1	9	8	2	16
7	6	59	7	20	3982	249	79	170	2	15	23	1	1	17	4	13	7	1	18
8	3	59	8	17	3855	226	86	140	4	17	26	1	3	20	2	13	9	1	16
9	8	59	9	21	4860	159	37	122	1	6	16	1	2	12	1	5	2	1	6

PHS-2645-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT
EAST ST. LOUIS, ILLINOIS

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	22	3464	299	104	195	1	29	26	1	2	22	1	10	10	4	24
11	3	58	11	14	2905	383	120	263	4	30	32	1	3	26	2	13	13	3	25
12	1	58	12	13	3766	264	91	173	0	19	35	1	5	26	3	11	7	2	17
1	5	59	1	15	4158	301	84	217	1	18	36	1	4	27	4	9	5	2	13
2	2	59	2	14	3416	409	132	277	1	25	46	2	3	33	8	15	12	3	30
3	2	59	3	12	4102	430	171	259	2	34	58	1	4	44	9	21	15	3	38
4	6	59	4	16	3894	295	92	203	2	21	28	2	2	23	1	9	8	2	22
5	4	59	5	14	3517	345	84	261	3	18	26	1	2	21	2	10	9	2	16
6	1	59	6	9	4564	175	50	125	3	13	12	1	1	10	0	5	6	1	10
7	6	59	7	14	4603	208	61	147	3	12	15	1	2	11	1	7	5	1	7
8	3	59	8	13	3598	-	110	-	2	22	30	3	4	20	3	13	12	2	2
8	31	59	9	10	3329	335	87	248	2	19	23	1	1	19	2	11	7	2	23

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS

STATION LOCATION MISSISSIPPI RIVER AT BURLINGTON, IOWA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	15	5175	194	67	127	1	17	15	1	1	12	1	6	6	1	21
11	3	58	11	15	5000	202	64	138	1	17	19	1	1	15	2	10	6	3	8
12	1	58	12	8	3640	123	60	63	1	18	17	1	1	14	1	6	3	2	13
1	5	59	1	12	4890	175	64	111	2	17	17	2	1	13	1	6	6	1	15
2	2	59	2	9	5090	211	55	156	1	12	17	1	2	13	1	6	5	1	13
4	6	59	4	15	5000	226	79	147	2	21	23	1	1	20	1	9	6	2	16
5	4	59	5	17	5000	208	83	125	4	22	20	1	2	14	3	10	9	2	16
6	1	59	6	9	5000	151	43	108	2	10	12	1	1	10	0	5	4	1	9
7	6	59	7	13	5000	205	67	138	3	18	18	1	1	15	1	8	6	1	13
8	3	59	8	11	5010	199	63	136	1	12	19	2	2	14	1	7	4	1	19
9	7	59	9	15	5090	167	47	120	3	10	12	1	1	9	1	6	4	1	11

PHS-2645-B
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-WAPSIPINICON & TRIB.

STATION LOCATION MISSISSIPPI RIVER AT DUBUQUE, IOWA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
12	8	58	12	18	3712	227	71	156	1	17	16	2	1	10	3	14	6	1	16
1	5	59	1	14	2400	501	106	395	12	22	18	1	1	15	1	10	10	0	34
2	9	59	2	22	3744	367	80	287	3	20	21	1	2	16	2	8	6	1	21
3	9	59	3	17	3045	396	131	265	9	35	26	1	2	21	2	10	13	3	35
4	6	59	4	15	6150	196	74	122	2	19	19	1	1	16	1	7	5	1	21
5	4	59	5	13	4357	210	67	143	4	16	19	1	1	16	1	9	6	1	12
6	1	59	6	11	5512	161	57	104	2	13	13	1	1	10	1	6	5	1	17
7	7	59	7	15	3398	364	99	265	6	24	20	1	1	17	1	10	9	1	29
8	4	59	8	11	4845	210	90	120	5	21	21	2	2	17	0	10	8	2	23
8	31	59	9	10	6255	137	42	95	0	8	13	1	1	10	1	3	1	0	17

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MINNESOTA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	14	3122	281	79	202	1	22	23	2	3	16	2	8	6	2	17
11	4	58	11	10	3348	261	83	178	2	22	21	1	2	16	2	7	7	2	22
12	2	58	12	9	4134	260	71	189	1	18	23	1	2	18	2	7	4	1	17
1	6	59	1	13	3693	395	151	244	5	38	50	2	7	38	3	18	15	3	22
2	3	59	2	10	3960	361	146	215	9	32	51	3	4	38	6	16	13	3	22
3	3	59	3	11	4520	362	137	225	5	33	49	2	3	37	7	15	10	4	21
4	6	59	4	14	3401	271	78	193	3	20	27	1	2	23	1	7	4	2	15
5	5	59	5	12	2532	379	152	227	8	41	41	3	3	33	2	17	15	3	27
6	3	59	6	9	3477	315	106	209	6	27	30	4	3	22	1	11	10	1	21
7	6	59	7	14	3547	302	110	192	4	29	29	3	3	22	1	12	9	2	25
8	4	59	8	11	3334	303	85	218	2	21	31	4	3	21	3	10	6	2	13
9	1	59	9	9	4178	247	83	164	2	20	24	0	3	19	2	10	7	2	18

FHS-2040-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER M36 AT ST.LOUIS, MISSOURI

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	13	58	10	27	7200	98	36	62	1	10	9	0	1	7	1	4	3	1	8
1	19	59	2	2	4777	207	73	134	1	18	22	1	3	16	2	8	6	1	17
2	16	59	3	2	3248	354	122	232	1	32	44	2	3	37	2	11	7	4	23
3	30	59	4	13	3307	250	68	182	2	16	19	2	2	14	1	8	5	1	17
4	27	59	5	11	6322	130	42	88	3	11	11	1	1	8	1	4	4	1	8
6	22	59	7	6	5056	123	41	82	2	9	15	4	3	7	1	4	3	0	8
8	3	59	8	17	6465	106	36	70	1	8	14	4	3	7	0	4	2	0	7

PHS-2645-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	20	58	10	30	4464	118	20	98	0	5	8	1	1	5	1	2	1	0	4
11	10	58	11	23	3718	134	28	106	0	6	11	2	2	7	0	3	1	1	6
12	2	58	12	15	4691	131	21	110	0	4	10	2	1	6	1	2	1	1	3
1	5	59	1	17	4123	170	41	129	1	10	14	2	2	9	1	5	3	2	6
1	26	59	2	13	4711	228	35	193	0	6	15	2	2	9	2	5	2	1	6
3	6	59	3	20	4484	160	67	93	3	17	19	2	1	15	1	6	5	1	16
3	30	59	4	13	4932	83	28	55	1	8	8	1	1	5	1	3	2	1	5
4	27	59	5	11	3085	99	23	76	0	4	12	2	2	8	0	2	1	1	3
5	18	59	6	1	3289	87	25	62	0	3	13	2	2	8	1	2	1	1	5
6	15	59	6	29	3627	67	19	48	3	3	8	2	1	5	0	3	1	0	1
7	13	59	7	30	4736	75	14	61	0	3	6	1	1	4	0	1	1	0	3
8	18	59	9	1	4974	81	11	71	1	1	6	1	1	4	0	2	0	0	1
9	21	59	10	5	4400	71	11	60	0	2	6	1	1	4	0	1	1	0	1

PHS-2645-B
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT
ST. JOSEPH, MISSOURI

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END			TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS					WEAK ACIDS	STRONG ACIDS	BASES	LOSS
MONTH	DAY	YEAR	MONTH	DAY							TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS				
10	8	58	10	20	5025	74	20	54	0	6	7	1	1	5	0	2	1	1	3
11	3	58	11	17	4050	195	38	157	0	11	12	1	2	9	0	4	3	2	6
12	1	58	12	15	5395	172	58	114	1	15	19	2	2	13	2	6	3	1	13
1	12	59	1	26	5272	192	60	132	3	15	18	1	1	13	3	5	5	1	13
3	16	59	3	29	4792	228	52	176	1	10	18	1	1	14	2	6	4	1	12
4	13	59	4	26	5265	70	18	52	1	5	6	1	1	4	0	2	1	1	2
5	12	59	5	25	3997	242	87	155	4	24	17	1	1	13	2	10	10	1	21
6	8	59	6	20	4935	51	12	39	0	3	4	1	1	2	0	2	1	1	1
7	6	59	7	18	5257	86	11	75	2	2	4	1	1	2	0	1	1	0	1
8	3	59	8	19	5085	102	24	78	0	6	9	1	1	6	1	3	1	0	5
8	18	59	8	30	5471	167	44	123	2	12	8	0	1	7	0	5	4	1	12
8	31	59	9	13	5370	89	20	69	3	2	9	2	1	5	1	2	1	1	2

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER M642 AT OMAHA, NEBRASKA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	13	58	10	27	4032	175	50	125	1	16	10	1	1	8	0	5	5	2	11
11	10	58	11	24	7008	120	30	90	0	9	9	0	1	7	1	3	3	1	5
12	8	58	12	22	5421	159	34	125	0	9	7	0	1	6	0	3	2	1	12
1	5	59	1	19	6075	131	33	98	1	9	8	1	0	7	0	3	2	1	9
2	2	59	2	16	5916	134	32	102	1	9	10	0	1	8	1	2	2	1	7
3	2	59	3	16	6094	142	53	89	2	13	12	0	1	10	1	5	4	2	15
3	30	59	4	13	3723	233	79	154	4	23	17	1	1	15	0	6	7	1	21
4	27	59	5	11	3861	215	67	148	4	19	15	1	1	13	0	7	6	1	15
5	25	59	6	8	1322	294	48	246	2	14	18	3	2	13	0	4	2	2	6
6	22	59	7	5	9312	72	19	53	1	5	6	1	1	4	0	2	2	0	3
7	20	59	8	3	9999	28	9	19	0	3	3	0	0	3	0	1	1	0	1
8	17	59	8	30	2522	107	22	85	1	6	6	1	1	4	0	2	2	0	5
9	14	59	9	28	6000	72	14	58	1	4	4	1	0	3	0	1	1	0	3

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE SOUTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN LOWER MISSOURI RIVER
STATION LOCATION MISSOURI RIVER M841 AT YANKTON, SOUTH DAKOTA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	27	58	11	10	5320	110	34	76	1	11	7	0	1	6	0	3	3	1	8
11	24	58	12	8	3160	189	33	156	0	11	10	0	1	8	1	3	1	1	7
12	23	58	1	5	4450	144	29	115	0	8	9	0	1	7	1	2	1	1	8
1	19	59	2	2	3990	167	44	123	1	13	10	1	1	7	1	5	4	1	10
2	16	59	3	2	3300	191	29	162	1	8	12	1	1	9	1	3	2	1	2
3	16	59	3	30	5230	140	32	108	1	9	9	0	0	9	0	3	2	1	7
4	20	59	5	4	4290	157	58	99	3	17	12	1	1	10	0	8	6	1	11
5	18	59	6	1	2580	255	45	210	1	10	16	2	1	13	0	7	4	1	6
6	21	59	7	13	3390	290	58	232	2	15	18	1	1	13	3	6	4	1	12
8	10	59	8	24	4930	139	31	108	1	7	10	1	0	8	1	4	1	1	7
9	21	59	10	5	3510	176	32	144	1	9	11	1	1	9	0	3	2	1	5

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NORTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN MISSOURI-SOURIS RIVERS

STATION LOCATION MISSOURI RIVER M1377.4 AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	1	58	10	27	2460	144	35	109	0	10	14	1	1	11	1	3	2	1	5
11	5	58	11	28	2340	161	38	123	0	11	13	2	2	9	0	3	2	1	8
12	9	58	1	1	2340	150	25	125	0	7	10	1	1	7	1	2	1	1	4
1	15	59	2	7	2400	148	27	121	0	8	10	1	1	7	1	3	1	1	4
3	5	59	3	28	2242	149	24	125	0	7	9	1	1	6	1	2	1	1	4
4	14	59	5	11	2242	203	46	157	2	12	13	1	1	10	1	6	4	1	8
6	2	59	6	28	2320	251	66	185	3	17	16	1	1	13	1	7	5	1	17
7	28	59	8	21	2340	259	72	187	3	19	19	1	2	16	0	6	4	1	20
9	2	59	9	26	2385	192	31	161	1	7	13	1	1	10	1	3	2	1	4

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	8	58	10	26	4687	138	19	119	0	4	6	0	0	6	0	2	1	0	6
11	10	58	11	19	4192	63	13	50	0	4	5	1	1	3	0	1	1	1	1
12	1	58	12	16	8505	51	9	42	0	2	4	0	0	4	0	1	0	0	2
1	7	59	1	29	7012	117	17	100	0	4	6	0	0	6	0	2	1	0	4
2	16	59	2	25	4950	107	19	88	0	4	6	1	1	4	0	2	1	1	5
3	30	59	4	15	5955	104	29	75	1	8	8	0	1	7	0	3	2	1	6
5	4	59	5	20	9862	60	11	49	0	3	4	0	1	3	0	1	1	0	2
6	1	59	6	19	10061	39	8	31	0	2	4	1	0	3	0	1	0	0	1
6	29	59	7	16	5677	79	22	57	2	6	7	1	1	5	0	2	2	0	3
8	5	59	8	21	8775	69	19	50	1	6	6	1	1	4	0	2	1	1	2
9	2	59	9	18	8362	64	20	44	1	5	6	0	1	4	1	2	0	0	6

FWQA-2648-0
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE ILLINOIS

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT
CAIRO, ILLINOIS

DATE OF SAMPLE BEGINNING MONTH	DAY	YEAR	END MONTH	DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	CHLORO-FORM	ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	WATER SOLUBLES	NEUTRALS TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	3	58	11	24	2385	262	82	180	1	21	28	4	3	20	1	8	6	2	14
12	8	58	12	20	2349	258	76	182	1	16	27	3	3	19	2	7	5	2	18
1	5	59	1	24	2750	223	50	173	1	8	23	3	3	13	4	5	2	1	10
2	9	59	3	6	2528	283	66	217	1	11	40	5	4	29	2	4	2	1	7
3	23	59	4	4	3215	181	36	145	0	6	21	5	3	13	0	3	1	1	4
4	16	59	5	1	2940	237	79	158	2	17	30	6	5	18	1	9	5	1	15
5	11	59	5	22	4867	128	33	95	0	6	16	2	2	12	0	5	2	1	3
6	8	59	6	19	7522	109	35	74	1	8	13	2	1	9	1	4	2	1	6
7	6	59	7	18	7312	107	36	71	1	10	10	1	1	7	1	5	3	0	7
8	10	59	8	18	7375	116	38	78	1	7	14	1	1	11	1	4	2	1	9
9	21	59	9	25	3300	168	43	125	2	11	15	1	2	11	1	5	3	1	6

FWQ-2048-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE INDIANA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT
EVANSVILLE, INDIANA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
1	27	59	2	4	5040	107	31	76	0	5	17	4	3	10	0	3	1	1	4

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

*RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER M510 AT CINCINNATI, OHIO

DATE OF SAMPLE BEGINNING MONTH	BEGINNING DAY	BEGINNING YEAR	END MONTH	END DAY	GALLONS FILTERED	EXTRACTABLES TOTAL	EXTRACTABLES CHLOROFORM	EXTRACTABLES ALCOHOL	CHLOROFORM EXTRACTABLES ETHER INSOLUBLES	CHLOROFORM EXTRACTABLES WATER SOLUBLES	NEUTRALS TOTAL	NEUTRALS ALIPHATICS	NEUTRALS AROMATICS	NEUTRALS OXYGENATED COMPOUNDS	NEUTRALS LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	10	58	11	26	2633	497	177	320	5	37	57	3	5	46	3	18	14	4	42
12	10	58	12	19	6173	168	97	71	3	22	36	5	4	21	6	10	8	2	16
1	7	59	1	15	5063	235	76	159	4	14	31	4	5	20	2	9	5	2	11
2	4	59	2	17	3308	271	109	162	2	1	60	10	11	32	7	10	4	2	30
3	9	59	3	25	3833	237	99	138	6	21	39	9	7	23	0	9	6	2	16
4	6	59	4	23	3075	318	138	180	8	33	46	8	7	28	3	11	14	1	25
5	6	59	5	14	3750	235	88	147	2	18	41	12	7	20	2	9	5	1	12
6	1	59	6	17	4358	249	104	145	4	20	40	3	5	30	2	16	8	2	14
8	3	59	8	17	1765	772	280	492	3	50	104	5	7	88	4	39	28	6	50
9	8	59	9	23	3029	386	149	237	3	31	55	3	3	43	6	16	11	3	30

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE WEST VIRGINIA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT
HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	1	58	10	20	4492	352	148	204	3	34	37	1	4	22	10	15	16	1	42
11	1	58	11	14	4140	416	156	260	3	31	62	1	3	51	7	16	12	5	27
12	1	58	12	19	3375	474	183	291	5	39	64	3	7	42	12	18	15	4	38
12	29	58	1	20	4012	422	197	225	10	33	85	6	9	57	13	16	14	4	35
1	26	59	2	16	2925	263	83	180	2	17	41	6	7	25	3	5	2	2	14
3	1	59	3	16	3465	309	117	192	8	26	41	5	5	29	2	8	8	2	24
3	30	59	4	21	3622	323	129	194	9	31	37	4	4	27	2	12	14	1	25
4	27	59	5	18	4688	218	94	124	5	18	34	4	6	21	3	10	10	2	15
6	1	59	6	15	3780	369	140	229	10	31	42	1	3	36	2	15	15	3	24
6	29	59	7	20	3862	482	197	285	6	35	55	2	3	44	6	24	24	2	51
8	1	59	8	17	3510	639	295	344	6	59	109	2	7	96	4	35	32	9	45
8	31	59	9	21	4222	577	318	259	6	76	108	1	3	95	9	25	29	10	64
9	28	59	10	16	4072	384	94	290	3	22	35	1	3	30	1	10	10	3	11

PHS-2548-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: OHIO

MAJOR BASIN: OHIO RIVER

SUB BASIN: OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION: OHIO RIVER AT EAST LIVERPOOL, OHIO

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
11	6	58	11	24	5000	284	146	138	1	19	79	29	15	27	8	18	7	1	21
12	1	58	12	15	3745	181	97	84	1	7	57	28	13	14	2	19	3	1	9
1	2	59	2	2	5000	127	68	59	1	5	46	22	11	12	1	7	1	1	7
2	17	59	2	27	2500	186	83	103	0	7	56	26	13	15	2	8	2	1	9
3	24	59	4	23	5000	166	84	82	1	9	53	22	12	16	3	9	3	1	8
5	2	59	5	28	5000	133	58	75	0	5	39	15	8	13	3	7	2	1	4
6	8	59	6	27	5000	343	168	175	3	22	93	29	17	43	4	22	8	3	17
7	13	59	8	10	4000	416	211	205	2	34	82	16	12	48	6	15	11	4	63
8	24	59	9	8	4860	292	111	181	1	20	47	9	6	28	4	17	10	2	14

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MARYLAND
MAJOR BASIN NORTH ATLANTIC
SUB BASIN POTOMAC RIVER
STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
											NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	16	5304	157	53	104	1	14	17	1	1	14	1	6	4	1	10
11	10	58	11	20	5337	141	41	100	0	10	12	1	1	9	1	4	2	1	12
12	18	58	12	29	6404	204	57	147	1	14	20	1	1	18	0	7	3	2	10
1	12	59	1	27	3088	502	183	319	9	36	46	2	4	38	2	15	15	4	58
2	9	59	2	24	3853	291	86	205	1	22	21	1	1	16	3	11	6	2	23
3	9	59	3	24	2812	341	145	196	9	33	45	1	6	33	5	15	10	4	29
4	6	59	4	20	2942	424	137	287	7	36	25	1	2	21	1	12	16	1	40
5	4	59	5	18	3428	325	112	213	12	29	20	1	2	14	3	10	7	1	33
6	1	59	6	15	2810	379	138	241	12	36	26	2	2	22	0	10	15	3	36
7	6	59	7	20	3297	364	101	263	5	19	24	0	2	19	3	10	10	1	32
8	11	59	8	24	2797	393	101	292	2	22	30	1	2	24	3	11	7	2	27

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WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	13	4690	204	88	116	2	23	23	1	1	18	3	8	8	1	23
11	4	58	11	13	3902	252	80	172	1	20	25	1	2	19	3	7	5	2	20
12	1	58	12	8	5016	244	77	167	1	16	27	2	2	22	1	8	6	2	17
1	5	59	1	12	5210	268	142	126	6	21	43	1	3	33	6	16	13	1	42
2	2	59	2	10	4925	223	90	133	2	13	32	1	3	25	3	14	5	1	23
3	2	59	3	10	2754	413	161	252	6	35	42	3	3	34	2	18	14	2	44
4	6	59	4	15	5165	207	83	124	3	19	23	1	2	14	6	10	8	1	19
5	4	59	5	11	4849	195	80	115	5	20	20	1	1	16	2	8	6	1	20
6	1	59	6	15	5337	204	73	131	4	20	18	1	1	15	1	7	7	1	16
7	6	59	7	14	5019	223	93	130	4	27	25	1	1	20	3	9	10	2	16
8	3	59	8	15	5215	248	112	136	3	25	35	1	2	29	3	13	10	2	24
8	31	59	9	10	5000	194	62	132	1	13	22	0	1	18	3	7	3	3	13

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11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: TEXAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER RED RIVER BELOW DENISON

STATION LOCATION: RED RIVER AT DENISON, TEXAS

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
											NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGENATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	14	5110	102	51	51	1	14	12	1	1	9	1	4	4	2	14
11	3	58	11	12	6340	157	42	115	1	11	11	0	1	9	1	4	3	1	11
12	1	58	12	9	5350	206	59	147	1	17	13	0	1	12	0	5	6	2	15
1	5	59	1	12	5160	232	60	172	2	16	15	1	1	12	1	5	5	1	16
2	3	59	2	9	5180	204	49	155	2	13	14	1	1	12	0	4	4	2	10
3	2	59	3	9	5190	238	66	172	4	16	15	1	1	12	1	6	6	1	18
4	7	59	4	13	5040	269	72	197	3	19	17	1	1	14	1	6	6	1	20
5	4	59	5	11	5150	232	68	164	4	19	17	1	1	14	1	6	8	1	13
6	1	59	6	9	5160	283	63	220	4	14	13	1	1	10	1	5	7	1	19
7	6	59	7	13	5230	274	68	206	2	18	16	1	1	14	0	7	7	1	17
8	3	59	8	10	5030	268	66	202	2	16	18	2	1	13	2	7	7	1	19
9	8	59	9	16	5160	265	64	201	3	6	19	1	2	14	2	6	6	1	23

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11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN LOWER RIO GRANDE BELOW PECOS

STATION LOCATION RIO GRANDE RIVER AT LAREDO, TEXAS

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	14	58	10	21	519	531	77	454	0	18	41	9	6	26	0	8	4	4	2
11	4	58	11	25	2548	134	21	113	0	5	11	4	1	6	0	2	1	1	1
12	9	58	12	15	7243	73	24	49	0	3	17	12	2	3	0	1	1	0	2
1	5	59	1	14	10471	64	23	41	0	2	17	12	2	3	0	1	0	0	3
2	9	59	2	17	10589	53	17	36	0	2	13	8	2	3	0	1	0	0	1
3	3	59	3	11	5362	91	24	67	0	3	15	9	2	4	0	1	1	1	3
3	23	59	4	4	5362	94	19	75	0	4	10	4	1	4	1	1	1	1	2
4	20	59	4	28	6736	62	19	43	1	3	10	5	1	4	0	1	1	0	3
5	12	59	5	22	4889	82	22	60	1	4	9	3	1	5	0	2	1	1	4
6	2	59	6	11	5385	86	28	58	2	5	13	6	2	5	0	3	1	1	3
7	6	59	7	14	3824	107	31	76	2	8	11	3	1	7	0	2	1	1	6
8	4	59	8	10	4668	80	24	56	1	6	9	3	1	5	0	2	1	0	5
9	14	59	9	30	4423	71	9	62	0	2	5	1	1	3	0	1	0	0	1

PHS-2642-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE TEXAS

MAJOR BASIN WESTERN GULF

SUB BASIN UPPER RIO GRANDE ABOVE PECOS

STATION LOCATION RIO GRANDE RIVER AT EL PASO, TEXAS

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES										
											NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	13	4665	140	35	105	0	8	11	1	1	8	1	3	2	1	10
10	27	58	11	1	2096	196	44	152	1	11	17	2	2	12	1	4	2	1	8
4	6	59	4	17	4807	187	46	141	1	11	19	1	2	16	0	5	3	1	6
5	4	59	5	10	5107	167	46	121	2	12	12	1	1	9	1	5	4	1	10
6	1	59	6	5	4987	141	26	115	1	7	9	1	1	6	1	3	1	1	4
7	7	59	7	14	4982	152	42	110	3	11	13	1	1	10	1	4	2	1	8
8	3	59	8	7	5512	118	34	84	2	9	11	1	1	8	1	3	2	1	6
9	8	59	9	12	4980	105	27	78	1	6	8	1	1	6	0	2	1	1	8

PHS-2648-S
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE GEORGIA

MAJOR BASIN SOUTHEAST

SUB BASIN SAVANNAH RIVER

STATION LOCATION SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
3	16	59	4	3	2830	668	207	461	19	39	31	2	2	24	3	19	19	2	78
4	20	59	5	12	4230	329	115	214	3	25	26	0	3	21	2	14	15	1	31
6	8	59	6	22	3780	337	120	217	7	29	20	1	2	16	1	16	12	1	35
7	9	59	7	22	4240	182	73	109	4	16	17	2	2	12	1	10	7	1	18
8	23	59	9	9	4020	315	138	177	8	28	36	3	8	23	2	18	12	1	35

PHS-2648-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: SOUTH CAROLINA
MAJOR BASIN: SOUTHEAST
SUB BASIN: SAVANNAH RIVER
STATION LOCATION: SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
BEGINNING			END								NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	28	58	11	3	6381	111	40	71	1	12	9	1	1	7	0	4	3	1	10
1	12	59	1	21	5444	125	40	85	2	11	10	1	1	8	0	3	2	0	12
2	7	59	2	16	5553	207	87	120	3	24	19	0	0	18	1	6	6	1	28
3	23	59	4	7	5221	202	55	147	1	15	10	0	1	7	2	6	4	1	18
4	20	59	5	1	6038	151	60	91	3	15	11	0	1	10	0	6	6	1	18
6	2	59	6	24	9386	109	38	71	3	11	8	0	0	7	1	3	3	1	9
8	8	59	8	14	5089	178	69	109	5	19	13	1	1	10	1	6	6	1	19
8	28	59	11	19	7292	139	42	97	2	11	12	0	1	10	1	5	4	1	7

PHS-2645-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WAWAWAI, WASHINGTON

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	20	6110	102	30	72	0	7	13	1	1	10	1	3	2	1	4
11	6	58	11	16	5360	106	34	72	0	7	14	1	2	10	1	4	2	1	6
1	5	59	1	19	4410	151	48	103	1	7	20	1	3	13	3	7	1	1	11
2	9	59	3	2	4080	137	40	97	0	6	18	1	2	14	1	6	2	0	8
3	30	59	4	20	4700	164	63	101	6	14	18	1	1	14	2	8	5	1	11
5	11	59	5	25	4500	175	81	94	6	14	25	2	2	16	5	11	7	2	16
6	15	59	6	29	6000	105	40	65	4	7	12	1	1	9	1	5	2	1	9
7	20	59	8	3	5750	153	74	79	7	9	25	1	2	20	2	14	4	2	13
8	31	59	9	14	5000	134	38	96	1	9	16	2	2	11	1	4	2	1	5

PHS-2548-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: IDAHO
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: CENTRAL SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WEISER, IDAHO

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
1	12	59	1	23	794	271	63	208	1	14	30	6	4	18	2	6	4	1	7
2	11	59	2	19	2304	181	32	149	0	6	9	1	1	6	1	4	2	1	10
3	9	59	3	30	2497	186	25	161	0	6	10	1	1	8	0	3	1	1	4
5	5	59	5	18	2167	215	73	142	1	17	20	2	2	15	1	10	8	3	14
7	8	59	7	19	2034	217	61	156	3	16	18	2	2	13	1	7	4	1	12
9	9	59	9	20	2255	150	24	126	1	4	14	3	2	8	1	2	1	0	2

PHS-2645-6
11-67

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE: TENNESSEE

MAJOR BASIN: TENNESSEE RIVER

SUB BASIN: TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION: TENNESSEE RIVER M465.3 TVA AT CHATTANOOGA, TENNESSEE

DATE OF SAMPLE BEGINNING			DATE OF SAMPLE END		GALLONS FILTERED	EXTRACTABLES			CHLOROFORM EXTRACTABLES									
											NEUTRALS							
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
10	6	58	10	15	3833	120	40	80	1	10	13	1	1	10	1	4	3	1	8
11	12	58	11	19	4930	125	38	87	1	9	12	1	2	9	0	5	3	1	7
12	9	58	12	17	4440	182	53	129	0	12	18	1	2	13	2	6	3	1	13
1	13	59	1	21	3863	233	75	158	2	17	23	2	2	18	1	10	6	1	16
2	10	59	2	18	3630	182	55	127	1	12	22	2	3	15	2	4	2	1	13
3	10	59	3	18	4342	135	53	82	3	12	12	1	1	10	0	4	3	1	18
4	7	59	4	15	4815	170	62	108	2	14	15	2	2	10	1	7	6	1	17
5	6	59	5	13	4890	158	55	103	2	14	17	2	2	12	1	6	4	1	11
6	9	59	6	17	4500	131	43	88	3	9	14	2	2	10	0	5	3	0	9
7	6	59	7	15	4725	188	47	141	2	11	12	1	1	9	1	5	4	1	12
8	11	59	8	19	4881	152	49	103	2	12	13	1	1	11	0	5	4	1	12

PHS-2048-6
11-57

WATER QUALITY BASIC DATA - MONTHLY REPORT

ORGANIC CHEMICALS

RECOVERED BY CARBON FILTER TECHNIQUE

RESULTS IN MICROGRAMS PER LITER
(Parts per billion)

STATE MONTANA

MAJOR BASIN MISSOURI RIVER

SUB BASIN YELLOWSTONE RIVER

STATION LOCATION YELLOWSTONE RIVER M30 NEAR SIDNEY, MONTANA

DATE OF SAMPLE					GALLONS FILTERED	EXTRACTABLES					CHLOROFORM EXTRACTABLES								
BEGINNING			END								NEUTRALS								
MONTH	DAY	YEAR	MONTH	DAY		TOTAL	CHLORO-FORM	ALCOHOL	ETHER INSOLUBLES	WATER SOLUBLES	TOTAL	ALIPHATICS	AROMATICS	OXYGEN-ATED COMPOUNDS	LOSS	WEAK ACIDS	STRONG ACIDS	BASES	LOSS
4	6	59	4	15	5010	80	20	60	1	3	11	2	2	7	0	2	1	0	2
5	4	59	5	12	5000	69	16	53	0	4	6	1	1	4	0	2	1	0	3
6	8	59	6	16	4990	80	30	50	1	8	9	1	1	6	1	3	2	1	6
7	6	59	7	15	5000	52	16	36	1	3	7	2	1	4	0	2	1	0	2
8	10	59	8	18	5000	105	30	75	1	6	11	1	1	8	1	4	1	1	6
9	9	59	9	18	5000	129	30	99	1	7	14	2	2	10	0	2	1	1	4

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI

SUB BASIN ARKANSAS RIVER-VAN BUREN TO MOUTH

STATION LOCATION ARKANSAS RIVER N44.5 AT PENDLETON FERRY, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
3	23	59	14.0	9.9	8.1	1.8	20.2	-	-	1.2	80	70	134	500	112	40		282	-
3	29	59	17.0	9.4	7.2	2.3	44.4	-	-	2.1	44	44	62	500	306	18		188	7500
4	6	59	21.0	8.4	7.8	.8	8.1	-	-	.0	64	52	90	200	144	24		141	9100
4	13	59	16.0	9.1	7.8	1.9	19.7	-	-	3.1	160	78	106	40	132	37		451	9100
4	20	59	21.0	8.9	7.8	-	25.4	2.5	4.9	3.4	230	100	190	70	276	79		589	17000
4	27	59	22.0	8.4	7.1	2.2	22.9	.8	2.9	1.5	94	68	102	100	348	47		327	72
5	4	59	26.0	8.2	8.0	1.5	10.3	.6	5.7	9.6	118	88	116	100	103	41		309	-
5	11	59	25.7	8.2	7.8	3.3	16.1	1.5	2.8	.0	148	96	174	15	38	59		505	6200
5	18	59	22.0	6.7	7.5	2.0	35.6	1.7	2.9	.0	90	110	160	130	309	38		324	-
5	25	59	24.0	8.2	7.4	3.2	35.2	4.0	8.5	.0	134	84	152	45	372	45		519	26000
6	2	59	28.0	7.4	8.0	2.3	15.4	2.4	7.9	.0	86	82	138	35	360	42		330	-
6	9	59	26.0	7.7	7.4	3.0	25.3	2.2	5.1	.0	128	92	132	280	432	6		473	-
6	16	59	27.1	7.0	7.2	-	25.2	2.9	9.2	.0	68	52	82	150	120	7		270	-
6	23	59	29.1	-	8.0	-	12.7	2.2	6.4	.0	68	90	132	90	156	30		332	6800
6	29	59	-	7.2	7.6	2.4	12.4	2.7	6.9	.0	140	-	168	25	98	43		431	1100
7	7	59	29.5	6.4	-	1.7	-	2.7	6.5	14.0	196	-	170	180	320	31		496	-
7	14	59	30.5	8.4	7.8	4.6	-	2.2	7.0	30.0	134	64	184	80	166	30		519	-
7	20	59	28.0	8.1	8.0	2.3	-	2.9	7.2	.0	145	76	174	23	62	4		420	-
7	27	59	26.0	6.5	7.8	1.0	31.6	1.1	7.0	.0	34	-	110	50	880	49		239	-
8	3	59	30.0	5.2	6.5	-	25.1	2.9	6.3	.0	50	43	98	45	128	21		173	15000
8	10	59	29.0	7.2	7.3	1.9	27.2	.5	4.0	.0	67	52	128	50	258	11		450	-
8	17	59	28.0	8.7	8.0	2.4	47.1	.1	2.0	.0	92	58	150	48	1620	13		334	-
8	24	59	29.0	7.0	7.8	1.7	29.2	.5	2.0	.0	110	56	182	55	310	13		384	-
8	31	59	29.0	6.6	8.0	2.3	43.4	-	-	.0	149	64	130	64	429	19		351	-
9	7	59	29.0	7.6	6.8	2.5	9.4	.6	4.1	.0	135	51	208	50	768	20		376	3300
9	14	59	28.0	8.0	7.7	2.5	26.0	-	-	.0	205	80	224	0	3650	-		660	8000
9	21	59	27.0	7.4	7.7	2.1	-	-	-	.0	280	72	256	35	1200	-		664	-
9	29	59	27.0	8.9	8.0	3.4	10.0	-	-	11.0	155	81	256	35	1240	-		474	2300

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WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: ARKANSAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: ARKANSAS RIVER, TULSA TO VAN BUREN

STATION LOCATION: ARKANSAS RIVER NEAR FORT SMITH, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	17	59	30.0	7.7	8.1	1.4	18.2	.9	1.4	7.9	136	112	198	70	110	46		479	1100
8	24	59	30.0	6.8	7.5	2.2	24.4	.9	1.9	2.7	170	124	226	65	212	38		473	18000
8	31	59	28.0	7.6	-	1.4	14.5	2.6	7.9	1.8	285	132	254	150	276	62		644	-
9	8	59	28.5	6.5	8.3	2.7	36.1	1.3	4.6	2.3	365	140	320	40	2000	60		775	-
9	14	59	24.0	10.1	8.6	4.2	16.5	2.0	6.9	2.4	245	116	236	40	150	27		534	10
9	21	59	28.0	10.7	8.6	5.2	17.4	1.7	6.4	.6	195	94	180	30	49	3		509	2300
9	28	59	24.0	5.8	7.6	2.3	18.4	2.3	4.4	.9	340	504	232	40	3840	14		717	3000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: OKLAHOMA
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION: ARKANSAS RIVER NEAR PONCA CITY, OKLAHOMA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	27	58	-	-	7.5	-	-	-	-	-	399	213	392	12	105	200		2870	-
11	3	58	-	-	8.0	-	-	-	-	-	407	215	442	15	20	194		1110	-
11	17	58	-	-	7.2	-	-	-	-	-	362	202	354	22	150	198		1010	-
11	24	58	-	-	7.5	-	-	-	-	-	363	202	394	11	67	168		972	-
12	1	58	-	-	7.5	-	-	-	-	-	406	218	406	12	5	172		1060	-
12	8	58	-	-	7.6	-	3.2	-	-	-	421	226	454	12	5	226		1230	-
1	6	59	-	-	7.5	-	-	-	-	-	520	268	621	7	5	430		1740	-
1	12	59	-	-	7.5	-	-	-	-	-	590	237	500	6	55	335		1480	-
1	20	59	-	-	7.4	-	-	-	-	-	365	212	430	5	78	235		1240	-
1	26	59	-	-	7.5	-	-	-	-	-	479	226	488	5	75	285		1510	-
2	2	59	-	-	7.6	-	-	-	-	-	436	236	492	6	58	310		1470	-
2	9	59	-	-	7.4	-	-	-	-	-	463	236	476	6	73	243		1440	-
2	23	59	-	-	7.4	-	-	-	-	-	390	-	498	9	141	320		1410	-
3	2	59	-	-	7.5	-	-	-	-	-	402	334	496	6	85	335		1480	-
3	9	59	-	-	7.9	-	13.8	-	-	-	375	208	522	10	60	336		1510	-
3	17	59	-	-	8.1	-	-	-	-	-	380	186	488	12	41	290		1590	-
3	23	59	-	-	7.6	-	-	-	-	-	395	196	496	10	5	302		1530	-
3	30	59	-	-	7.2	-	-	-	-	-	169	170	316	17	1100	162		790	-
4	6	59	-	-	7.8	-	-	-	-	-	371	200	500	15	70	316		1350	-
4	20	59	-	-	7.2	-	-	-	-	-	289	165	372	20	78	210		974	-
4	27	59	-	-	7.2	-	-	-	-	-	332	178	410	15	86	240		1130	-
5	4	59	-	-	7.3	-	-	-	-	-	381	148	364	10	110	275		1190	-
5	18	59	-	-	7.6	-	-	-	-	-	240	150	232	22	300	102		598	-
5	25	59	-	-	7.6	-	-	-	-	-	231	157	282	20	300	172		862	-
6	1	59	-	-	7.6	-	-	-	-	-	189	162	256	22	750	140		822	-
6	8	59	-	-	6.8	-	-	-	-	-	295	164	312	20	180	198		958	-
6	15	59	-	-	6.8	-	-	-	-	-	328	176	352	15	120	220		1090	-
6	22	59	-	-	6.9	-	-	-	-	-	395	134	332	15	44	230		1150	-
6	29	59	-	-	6.8	-	-	-	-	-	250	168	268	18	245	160		890	
7	13	59	-	-	6.9	-	-	-	-	-	200	144	236	25	450	116		764	-
9	15	59	25.0	-	8.4	-	-	-	-	-	453	100	231	6	72	172		1160	-
9	21	59	25.0	-	8.3	-	-	-	-	-	417	80	224	6	90	180		1040	-
9	28	59	22.0	-	7.9	-	-	-	-	-	179	94	138	-	1000	-		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: KANSAS
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION: ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	-	-	7.6	-	-	-	-	-	116	204	1290	5	38	1430		3160	-
10	13	58	18.3	-	8.2	-	-	-	-	-	120	200	1320	5	36	1500		3340	-
10	20	58	15.0	-	8.2	-	-	-	-	-	47	182	693	5	190	880		1770	-
10	27	58	8.2	-	8.2	-	-	-	-	-	80	197	841	8	67	1260		2390	-
11	4	58	5.0	-	8.2	-	-	-	-	-	124	171	1390	4	37	1740		3130	-
11	10	58	-	-	7.9	-	-	-	-	-	143	228	1300	8	20	1840		3590	-
11	24	58	3.0	-	8.2	-	-	-	-	-	139	240	1100	8	37	1840		3670	-
12	2	58	3.0	-	7.9	-	-	-	-	-	144	246	1430	6	52	1600		3650	-
12	9	58	.0	-	8.1	-	-	-	-	-	148	268	1370	7	29	1610		3890	-
12	16	58	6.0	-	8.1	-	-	-	-	-	139	258	1170	5	97	1640		3790	-
12	22	58	6.0	-	8.2	-	-	-	-	-	147	236	1230	5	36	1640		3730	-
12	30	58	-	-	7.8	-	-	-	-	-	137	226	1140	6	27	1590		3480	-
1	6	59	.0	-	7.8	-	-	-	-	-	170	284	1420	5	5	1820		4330	-
1	13	59	.0	-	8.2	-	-	-	-	-	143	250	1500	5	51	2120		3680	-
1	19	59	5.0	-	8.2	-	-	-	-	-	143	266	1350	5	105	1600		3920	-
1	26	59	-	-	7.6	-	-	-	-	-	143	254	1300	5	74	1920		3730	-
2	2	59	.0	-	8.1	-	-	-	-	-	171	270	1770	4	5	2100		4420	-
2	9	59	.0	-	8.2	-	-	-	-	-	147	260	1560	5	77	2280		3990	-
2	16	59	4.0	-	8.2	-	-	-	-	-	149	255	1470	7	65	2040		3870	-
3	3	59	2.0	-	8.2	-	-	-	-	-	147	234	1370	5	35	2160		3980	-
3	16	59	2.0	-	8.1	-	-	-	-	-	137	250	1340	7	100	2220		3800	-
3	23	59	15.0	-	8.2	-	16.6	-	-	-	147	218	1560	4	36	2320		4320	-
3	31	59	10.5	-	8.2	-	-	-	-	-	146	216	1550	4	28	2300		4140	-
4	6	59	13.0	-	8.2	-	-	-	-	-	140	202	1390	5	50	2140		3670	-
4	13	59	12.0	-	8.1	-	-	-	-	-	135	220	1420	7	70	2480		3490	-
4	20	59	-	-	7.7	-	-	-	-	-	128	193	1140	3	340	2240		3410	-
4	27	59	-	-	7.6	-	-	-	-	-	75	196	776	7	220	1180		2250	-
5	4	59	13.5	-	8.2	-	-	-	-	-	61	188	735	5	175	1120		2010	-
5	11	59	17.0	-	8.2	-	-	-	-	-	-	-	-	-	-	-		-	-
5	18	59	21.0	-	8.2	-	-	-	-	-	-	-	-	-	-	-		-	-
5	25	59	-	-	7.6	-	41.5	-	-	-	97	202	1040	6	123	1480		2720	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: KANSAS
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: ARK. RIVER, KANS-COLO LINE TO TULSA
STATION LOCATION: ARKANSAS RIVER AT COOLIDGE, KANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	2	59	24.5	-	8.1	-	-	-	-	-	125	198	1200	5	83	1880		3360	-
6	8	59	-	-	7.6	-	-	-	-	-	139	166	1400	5	5	1680		3650	-
6	15	59	22.0	-	8.2	-	-	-	-	-	65	334	884	5	900	1090		2150	-
6	22	59	25.5	-	8.1	-	-	-	-	-	67	194	874	7	525	1150		2240	-
6	29	59	21.0	-	8.4	-	-	-	-	-	79	188	1060	4	255	1300		2600	-
7	6	59	23.0	-	8.2	-	-	-	-	-	80	174	1010	3	223	1400		2630	-
7	13	59	25.0	-	8.2	-	-	-	-	-	65	168	900	4	260	1080		2290	-
7	20	59	19.5	-	7.8	-	-	-	-	-	54	328	712	17	1200	850		1700	-
7	27	59	26.0	-	8.1	-	-	-	-	-	75	174	848	5	74	1340		2400	-
8	3	59	25.0	-	8.0	-	-	-	-	-	69	148	788	5	85	1220		2270	-
8	10	59	23.0	-	8.1	-	-	-	-	-	76	166	884	2	140	1240		2420	-
8	17	59	23.0	-	8.2	-	-	-	-	-	-	-	-	-	-	-		-	-
8	24	59	23.1	-	8.1	-	-	-	-	-	73	178	740	4	240	1300		2370	-
8	31	59	24.0	-	8.1	-	-	-	-	-	80	180	1000	5	175	1380		2600	-
9	8	59	19.0	-	8.2	-	-	-	-	-	78	160	896	2	125	1340		2580	-
9	14	59	-	-	8.2	-	-	-	-	-	79	158	888	4	165	1260		2590	-
9	21	59	16.5	-	8.1	-	-	-	-	-	136	190	1300	1	5	1720		3720	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: ARIZONA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER AT YUMA, ARIZONA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	24.2	-	7.8	-	-	-	-	-	106	150	332	-	25	-		-	730
10	13	58	23.2	-	8.0	-	-	-	-	-	90	140	320	-	27	-		-	460
10	20	58	23.2	-	8.2	-	-	-	-	-	115	160	352	-	25	-		-	1900
10	27	58	22.0	-	8.2	-	-	-	-	-	98	148	328	-	18	-		-	300
11	3	58	22.2	-	7.6	-	-	-	-	-	106	150	332	-	28	-		-	230
11	10	58	20.5	-	8.2	-	-	-	-	-	96	144	324	-	23	-		-	340
11	17	58	12.0	-	8.2	-	-	-	-	-	92	150	356	-	12	-		-	320
11	24	58	14.5	-	8.2	-	-	-	-	-	98	174	330	-	15	-		-	1100
12	1	58	12.5	-	8.2	-	-	-	-	-	96	146	332	-	15	-		-	560
12	8	58	15.0	-	8.2	-	-	-	-	-	90	152	316	-	27	-		-	200
1	19	59	12.5	-	8.2	-	-	-	-	-	96	140	342	-	23	-		-	460
2	2	59	11.0	-	8.2	-	-	-	-	-	97	156	364	-	25	-		-	50
2	9	59	11.0	-	8.2	-	-	-	-	-	97	152	334	-	32	-		-	200
2	16	59	13.0	-	8.0	-	-	-	-	-	92	150	322	-	20	-		-	280
2	23	59	13.0	-	8.0	-	-	-	-	-	102	168	348	-	25	-		-	880
3	2	59	15.5	-	8.0	-	-	-	-	-	125	150	394	-	27	-		-	2200
3	9	59	14.5	-	8.0	-	11.1	-	-	-	120	170	384	-	-	-		-	40
3	17	59	15.0	-	7.8	-	-	-	-	-	95	150	310	-	21	-		-	2500
3	23	59	16.5	-	7.8	-	-	-	-	-	107	160	322	-	25	-		-	2000
3	30	59	19.0	-	7.8	-	-	-	-	-	105	160	350	-	22	-		-	900
4	6	59	19.0	-	7.8	-	13.0	-	-	-	98	156	360	-	28	-		-	-
4	13	59	-	-	7.8	-	-	-	-	-	97	152	356	-	35	-		-	-
4	20	59	21.0	-	7.8	-	-	-	-	-	97	162	326	-	-	-		-	-
4	27	59	20.5	-	7.8	-	-	-	-	-	96	148	324	-	30	-		-	330
5	4	59	18.5	-	8.0	-	-	-	-	-	115	160	366	-	18	-		-	-
5	11	59	23.0	-	7.8	-	-	-	-	-	124	160	356	-	22	-		-	90
5	18	59	23.0	-	8.0	-	-	-	-	-	130	152	354	-	22	-		-	430
5	25	59	21.0	-	7.8	-	-	-	-	-	107	140	340	-	28	-		-	4300
6	1	59	24.0	-	7.8	-	-	-	-	-	100	142	324	-	19	-		-	380
6	8	59	25.0	-	8.0	-	-	-	-	-	128	150	354	-	22	-		-	430
6	15	59	28.0	-	7.8	-	-	-	-	-	135	108	354	-	22	-		-	7500
6	22	59	28.5	-	8.0	-	-	-	-	-	127	144	324	-	28	-		-	750
6	29	59	26.5	-	7.8	-	-	-	-	-	130	150	334	-	21	-		-	120
7	6	59	29.5	-	8.0	-	-	-	-	-	118	136	316	-	24	-		-	1600
7	13	59	-	-	7.8	-	-	-	-	-	110	134	322	-	-	-		-	-
7	20	59	-	-	7.8	-	-	-	-	-	115	144	320	-	22	-		-	800
7	27	59	29.0	-	7.8	-	-	-	-	-	119	136	374	-	-	-		-	160

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARIZONA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER AT YUMA, ARIZONA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	3	59	30.0	-	7.8	-	-	-	-	-	115	134	312	-	23	-		-	1600
8	10	59	31.0	-	7.8	-	7.7	-	-	-	157	132	284	-	45	-		-	1800
8	17	59	30.0	-	8.2	-	-	-	-	-	153	160	340	-	35	-		-	170
8	24	59	28.0	-	8.0	-	-	-	-	-	142	140	316	-	32	-		-	730
8	31	59	28.5	-	8.0	-	-	-	-	-	130	140	314	-	-	-		-	100
9	8	59	27.0	-	8.0	-	27.0	-	-	-	160	150	328	-	-	-		-	100
9	14	59	27.0	-	8.0	-	-	-	-	-	137	146	340	-	34	-		-	-
9	21	59	19.0	-	8.0	-	-	-	-	-	136	140	336	-	42	-		-	300
9	28	59	-	-	8.0	-	-	-	-	-	137	130	360	-	38	-		-	15

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: CALIFORNIA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER ABOVE PARKER DAM, ARIZONA-CALIFORNIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	58	23.9	-	7.6	-	-	-	-	-	77	118	307	7	-	234		646	-
10	8	58	24.4	-	8.0	-	-	-	-	-	72	115	297	5	-	214		614	-
10	15	58	24.4	-	7.8	-	34.3	-	-	-	74	114	316	8	-	216		628	-
10	22	58	22.8	-	7.6	-	-	-	-	-	72	115	325	17	-	122		632	-
10	29	58	22.2	-	7.7	-	-	-	-	-	67	119	323	11	5	132		580	-
11	5	58	20.5	-	-	-	33.5	-	-	-	74	116	-	-	-	-		-	-
11	12	58	19.4	-	7.8	-	-	-	-	-	75	112	330	8	5	123		568	-
11	20	58	16.1	-	7.8	-	-	-	-	-	75	112	308	5	5	134		576	-
11	26	58	15.5	-	7.6	-	-	-	-	-	72	120	315	5	5	234		634	-
12	3	58	15.5	-	7.2	-	5.9	-	-	-	70	119	301	6	5	237		670	-
12	10	58	13.9	-	7.6	-	-	-	-	-	71	122	306	5	5	248		582	-
12	17	58	13.3	-	7.5	-	-	-	-	-	69	120	320	5	5	238		568	-
12	24	58	12.8	-	7.8	-	-	-	-	-	68	130	306	6	5	237		568	-
12	31	58	12.2	-	8.0	-	-	-	-	-	68	118	301	8	5	245		574	-
1	7	59	11.1	-	7.5	-	-	-	-	-	70	121	315	6	5	310		625	-
1	14	59	11.1	-	7.6	-	11.0	-	-	-	70	123	306	6	5	315		625	-
1	21	59	11.1	-	7.5	-	-	-	-	-	68	124	301	5	5	320		656	-
1	28	59	11.7	-	8.0	-	9.4	-	-	-	71	124	396	5	5	315		816	-
2	4	59	11.1	-	8.1	-	-	-	-	-	67	126	302	4	5	283		640	-
2	11	59	11.1	-	7.9	-	-	-	-	-	69	124	312	5	5	265		626	-
2	25	59	12.2	-	7.9	-	-	-	-	-	70	126	312	5	5	252		630	-
3	4	59	13.9	-	-	-	-	-	-	-	66	129	324	5	5	262		622	-
3	11	59	15.0	-	-	-	-	-	-	-	64	132	320	5	5	252		-	-
3	18	59	15.0	-	-	-	-	-	-	-	66	128	328	5	5	260		-	-
3	24	59	15.5	-	-	-	-	-	-	-	68	125	304	5	5	252		-	-
4	1	59	17.2	-	7.5	-	-	-	-	-	69	125	320	3	5	260		646	-
4	7	59	18.8	-	7.8	-	-	-	-	-	66	120	319	8	5	252		626	-
4	14	59	19.4	-	7.7	-	-	-	-	-	68	128	316	3	5	308		626	-
4	22	59	20.5	-	8.0	-	-	-	-	-	68	130	340	3	5	248		630	-
4	29	59	22.2	-	8.1	-	-	-	-	-	68	132	340	2	5	278		664	-
5	6	59	20.5	-	7.6	-	-	-	-	-	68	130	314	4	5	258		640	-
5	13	59	-	-	7.8	-	-	-	-	-	68	130	316	7	5	273		660	-
5	20	59	23.9	-	-	-	-	-	-	-	75	135	308	11	-	265		702	-
5	27	59	24.4	-	-	-	-	-	-	-	68	130	312	7	5	285		670	-
6	3	59	25.0	-	7.6	-	-	-	-	-	70	130	314	2	5	265		684	-
6	11	59	26.1	-	8.0	-	-	-	-	-	62	133	312	4	5	265		672	-
6	18	59	27.2	-	7.9	-	-	-	-	-	65	129	308	3	5	260		660	-
6	22	59	27.2	-	7.4	-	-	-	-	-	77	132	308	4	5	251		660	-
6	29	59	27.8	-	9.2	-	-	-	-	-	70	128	312	3	5	284		706	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: CALIFORNIA
MAJOR BASIN: COLORADO RIVER
SUB BASIN: LOWER COLORADO RIVER
STATION LOCATION: COLORADO RIVER ABOVE PARKER DAM, ARIZONA-CALIFORNIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	8	59	27.3	-	7.4	-	-	-	-	-	77	110	296	3	5	266		728	-
7	15	59	28.9	-	8.8	-	-	-	-	-	79	130	292	3	5	276		672	-
7	22	59	29.4	-	8.0	-	8.4	-	-	-	78	130	288	0	5	292		664	-
7	29	59	27.8	-	7.8	-	-	-	-	-	76	130	300	4	5	252		666	-
8	6	59	29.4	-	8.2	-	-	-	-	-	77	132	308	4	5	234		672	-
8	13	59	28.3	-	-	-	-	-	-	-	73	129	-	-	-	-		-	-
8	19	59	28.9	-	7.9	-	-	-	-	-	68	124	292	3	5	266		640	-
8	28	59	28.9	-	7.7	-	-	-	-	-	65	125	300	0	25	249		636	-
9	2	59	28.3	-	8.0	-	-	-	-	-	72	134	308	2	5	252		664	-
9	9	59	27.2	-	-	-	-	-	-	-	66	124	-	-	-	-		-	-
9	10	59	-	-	8.4	-	-	-	-	-	72	122	304	2	5	238		656	-
9	16	59	27.2	-	8.4	-	-	-	-	-	66	120	312	2	5	240		636	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEVADA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	58	16.0	6.2	7.9	-	-	2.1	4.2	.0	58	114	298	-	-	202		-	*1
10	14	58	16.0	6.1	8.0	-	7.1	2.1	4.6	.0	56	116	300	-	-	202		-	*1
10	21	58	16.0	6.2	7.9	-	-	1.0	-	.0	56	116	306	-	-	201		-	*1
10	28	58	16.0	6.7	8.0	-	-	1.0	.0	.0	58	114	294	-	-	204		-	*1
11	4	58	15.0	5.9	7.9	-	7.2	1.0	.0	.0	56	114	294	-	-	203		520	1
11	11	58	15.0	6.0	7.9	-	-	1.0	-	.0	56	110	296	-	-	208		552	*1
11	17	58	14.5	7.1	7.9	-	-	1.0	-	.0	66	112	302	-	-	204		548	*1
11	25	58	14.0	5.6	7.9	-	-	1.6	2.7	.0	56	114	294	-	-	214		606	*1
12	2	58	14.0	5.6	8.0	-	-	1.3	5.2	.0	60	114	306	-	-	209		500	*1
12	9	58	14.0	6.7	8.0	-	-	2.1	4.8	.0	62	112	298	-	-	202		-	27
12	16	58	13.2	5.4	7.9	-	6.5	1.3	5.2	.0	58	116	300	-	-	204		-	-
12	23	58	14.0	5.2	7.9	-	-	2.3	5.1	.0	63	116	298	-	-	213		624	-
12	30	58	14.5	5.6	7.9	-	-	1.3	3.2	.0	58	116	294	-	-	214		-	-
1	6	59	13.0	5.5	7.9	-	-	1.3	3.1	.0	56	116	298	-	-	208		-	*1
1	13	59	13.5	5.6	8.0	-	-	1.2	3.0	.0	56	118	304	-	-	213		-	1
1	20	59	14.0	6.0	7.9	-	-	1.3	3.0	.0	58	112	312	-	-	213		682	1
1	27	59	13.5	5.7	7.8	-	-	2.4	5.0	.0	60	116	320	-	-	204		600	3
2	3	59	13.5	7.7	7.9	-	-	1.2	3.0	.0	58	116	320	-	-	201		626	23
2	10	59	13.5	7.3	7.9	-	-	1.7	1.2	.0	60	112	320	-	-	206		600	20
2	17	59	14.0	8.1	7.9	-	7.2	1.2	1.1	.0	68	114	308	-	-	205		-	10
2	24	59	13.5	5.4	7.9	-	-	1.2	1.1	.0	64	114	286	-	-	213		-	8
3	3	59	14.0	4.7	7.8	-	13.6	1.2	1.1	.0	68	120	320	-	-	210		-	9
3	10	59	14.0	5.4	7.8	-	-	1.3	1.1	.0	70	116	342	-	-	221		-	12
3	17	59	14.0	8.2	7.9	-	-	1.3	1.1	.0	68	120	310	-	-	226		-	34
3	24	59	15.0	5.4	7.9	-	-	2.5	1.2	.0	72	120	316	-	-	231		-	5
3	31	59	15.0	5.4	7.8	-	-	-	-	.0	72	120	312	-	-	222		-	39
4	7	59	16.0	6.2	7.9	-	-	2.4	5.0	.0	70	116	312	-	-	244		500	39
4	14	59	16.0	6.1	7.9	-	-	1.3	4.5	.0	70	118	320	-	-	209		-	200
4	21	59	14.0	6.5	7.9	-	-	2.4	5.2	.0	68	114	302	-	-	206		-	29
4	28	59	14.0	6.3	7.9	-	-	3.3	7.4	.0	72	114	308	-	-	208		500	-
5	5	59	16.0	7.7	7.9	-	-	4.9	7.3	.0	72	116	312	-	-	249		-	-
5	12	59	15.0	6.5	8.0	-	-	-	.0	.0	72	116	308	-	-	204		500	*2
5	19	59	15.0	6.4	7.9	-	-	-	.0	.0	78	116	306	-	-	197		-	*1
5	26	59	15.0	6.8	8.0	-	-	2.5	6.0	.0	72	112	300	-	-	200		-	*1
6	2	59	15.0	7.1	8.0	-	-	2.4	6.1	.0	68	112	292	-	-	200		-	*1
6	9	59	15.0	6.9	8.0	-	-	2.5	6.0	.0	66	108	296	-	-	203		-	*1
6	16	59	15.0	6.8	8.0	-	-	2.5	5.2	.0	68	112	304	-	-	204		-	*1
6	23	59	15.0	6.7	7.9	-	-	2.5	6.4	.0	66	110	308	-	-	203		-	*1
6	30	59	15.0	7.0	8.0	-	9.2	2.4	6.6	.0	66	106	298	-	-	207		-	1

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEVADA

MAJOR BASIN COLORADO RIVER

SUB BASIN LOWER COLORADO RIVER

STATION LOCATION COLORADO RIVER NEAR BOULDER CITY, NEVADA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-[illegible] mg/l	24-HOUR mg/l										
7	7	59	16.0	7.0	8.0	-	-	1.5	-	.0	64	108	300	-	-	202		-	6
7	14	59	15.3	6.6	8.0	-	-	2.6	4.6	.0	66	106	296	-	-	205		500	*1
7	21	59	15.0	6.7	7.9	-	15.1	2.4	4.3	.0	66	108	328	-	-	-		-	1
7	28	59	15.0	6.7	7.9	-	-	2.5	4.4	.0	64	106	314	-	-	-		-	*1
8	4	59	15.0	6.8	7.9	-	-	4.4	7.1	.0	70	104	298	-	-	-		-	1
8	11	59	15.2	6.7	8.0	-	-	4.9	7.0	.0	64	102	292	-	-	207		600	6
8	18	59	15.0	6.6	7.9	-	11.3	2.5	-	.0	64	116	298	0	0	204		-	-
8	25	59	15.0	6.8	7.9	-	-	1.2	-	.0	66	122	322	-	-	206		-	600
9	1	59	14.5	6.8	8.0	-	-	4.9	8.9	.0	62	120	294	-	-	206		-	*1
9	8	59	15.0	6.6	7.9	-	-	1.1	1.0	.0	66	118	296	-	-	203		-	*1
9	15	59	15.0	6.5	7.9	-	-	4.9	8.8	.0	68	120	296	-	-	207		-	*1
9	22	59	17.0	6.5	7.9	-	-	4.9	8.9	.0	70	120	294	-	-	200		-	*1
9	29	59	16.3	6.4	7.9	-	10.5	2.6	4.4	.0	60	116	292	-	-	211		-	2

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: COLORADO
MAJOR BASIN: COLORADO RIVER
SUB BASIN: UPPER COLORADO RIVER
STATION LOCATION: COLORADO RIVER AT LOMA, COLORADO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	14.4	6.8	8.3	1.5	-	-	-	17.2	142	198	702	-	43	630		-	130
10	27	58	11.1	7.8	8.0	1.9	-	-	-	22.7	119	228	740	-	46	705		1620	200
11	3	58	8.9	7.6	8.0	-	-	-	-	21.1	112	201	600	-	33	496		2240	130
11	10	58	7.8	8.0	8.1	1.1	-	-	-	6.6	134	201	566	-	34	720		1340	260
11	17	58	3.3	9.2	8.1	2.2	-	-	-	16.8	131	207	572	-	28	452		1260	190
11	24	58	2.2	9.2	8.1	1.8	-	-	-	25.0	126	250	584	-	24	520		1185	240
12	1	58	.6	9.5	8.1	1.9	-	-	-	11.6	156	191	536	-	10	496		1151	280
12	8	58	2.2	9.5	8.1	1.2	-	-	-	34.0	135	186	514	-	28	452		1147	210
12	15	58	.6	10.1	8.4	1.5	-	-	-	74.0	166	177	480	-	21	226		1097	-
12	22	58	.6	10.1	8.2	2.5	-	-	-	40.0	158	189	512	-	19	420		1110	-
1	5	59	.0	10.1	8.0	2.5	-	-	-	44.0	199	202	576	-	40	520		1295	230
1	12	59	.6	9.9	8.1	1.0	-	-	-	20.8	166	176	458	-	33	440		1091	78
1	19	59	.6	10.1	8.0	2.3	-	-	-	10.4	182	165	428	-	40	380		1012	120
1	26	59	1.1	9.8	8.1	2.2	-	-	-	18.8	184	172	444	-	43	380		1053	110
2	9	59	2.2	9.2	8.0	-	-	-	-	16.8	190	172	438	-	20	440		-	76
2	16	59	2.2	9.7	8.2	2.5	-	-	-	10.2	186	164	432	-	23	420		1036	340
2	24	59	5.6	8.9	8.1	1.3	-	-	-	26.4	211	169	423	-	89	368		1039	110
3	2	59	6.6	9.5	8.2	2.5	-	-	-	25.0	177	154	414	-	19	406		-	25
3	9	59	4.4	9.5	8.1	2.2	-	-	-	16.4	181	172	453	-	15	440		1079	28
3	16	59	3.3	10.1	8.3	2.3	-	-	-	11.6	184	167	441	-	13	430		1063	-
3	23	59	7.7	8.9	8.1	3.4	-	-	-	22.4	174	162	440	-	17	412		1011	-
4	6	59	8.0	6.2	8.1	5.0	-	-	-	19.6	179	178	518	-	54	496		1229	-
4	20	59	9.3	8.0	8.2	4.6	-	-	-	20.0	150	158	450	-	70	420		1070	250
4	27	59	13.3	7.5	8.3	2.7	-	-	-	11.6	48	165	470	-	220	404		1274	150
5	11	59	12.2	7.0	7.7	2.6	-	-	-	-	75	118	264	-	190	184		841	85
6	15	59	7.8	7.6	7.8	2.5	-	-	-	10.0	64	87	166	-	89	80		455	56
6	22	59	19.0	6.2	7.7	5.4	-	-	-	10.1	60	88	168	-	310	82		467	46
7	6	59	-	6.6	7.2	5.6	-	-	-	11.0	-	-	-	-	-	-		-	34
7	20	59	23.0	5.9	7.9	2.1	-	-	-	12.8	-	-	-	-	-	-		-	#2
7	27	59	23.0	5.0	7.9	.5	-	-	-	7.6	-	-	-	-	-	-		-	53
8	10	59	22.5	5.9	7.9	3.9	-	-	-	6.8	-	-	-	-	-	-		-	-
9	8	59	20.0	6.8	8.0	-	-	-	-	3.2	-	-	-	-	-	-		-	340
9	14	59	19.5	6.6	7.8	1.6	-	-	-	23.6	-	-	-	-	-	-		-	-
9	21	59	17.0	7.0	7.9	1.4	-	-	-	-	-	190	690	-	175	-		-	-
9	28	59	12.5	7.4	8.1	1.8	-	-	-	13.2	128	200	650	-	142	620		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OREGON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION COLUMBIA RIVER M552 AT CLATSKANIE, OREGON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	13	58	15.9	-	7.4	-		-	-	-	5	70	84	15	-	30		134	-
10	20	58	15.5	-	7.8	-		-	-	-	5	72	143	-	-	-		-	1500
10	21	58	-	9.1	7.1	.6	29.1	1.3	2.8	.1	6	63	74	14	2	2		-	-
10	27	58	13.3	-	7.6	-		-	-	-	7	66	67	-	-	-		-	-
11	3	58	12.5	-	7.4	-		-	-	-	5	69	80	-	-	-		-	-
11	10	58	11.6	-	7.4	-		-	-	-	5	52	63	7	-	-		92	-
11	19	58	9.2	-	7.3	-		-	-	-	5	42	44	9	20	12		54	-
11	25	58	-	11.0	-	1.4	14.7	.4	1.9	.0	4	68	35	27	16	5		-	4800
12	1	58	-	-	7.5	-		-	-	-	3	62	62	11	26	20		-	-
12	8	58	7.2	-	7.5	-		-	-	-	4	60	72	9	5	17		-	-
12	15	58	7.0	-	7.4	-		-	-	-	4	50	48	8	33	11		-	-
12	23	58	5.8	11.3	7.6	2.4	13.3	.4	2.0	.2	6	44	52	18	14	-		103	-
12	29	58	-	-	7.3	-		-	-	-	4	44	53	10	26	4		-	-
1	5	59	5.0	-	7.3	-		-	-	-	-	52	-	-	-	-		-	-
1	12	59	-	-	6.9	-		-	-	-	7	44	40	11	105	18		112	-
1	19	59	5.8	-	7.4	-		-	-	-	-	55	51	-	-	-		-	-
1	26	59	6.5	-	7.2	-		-	-	-	4	52	47	6	46	14		120	-
1	27	59	6.1	12.2	7.2	3.0		.3	1.9	-	5	41	46	80	35	-		-	1700
2	2	59	6.8	-	7.4	-		-	-	-	6	40	42	10	61	2		76	-
2	9	59	-	-	7.2	-		-	-	-	-	44	-	-	-	-		-	-
2	16	59	5.0	-	7.4	-		-	-	-	-	54	54	-	-	-		-	-
2	24	59	5.5	-	7.4	-		-	-	-	-	52	54	-	-	-		-	-
3	2	59	6.2	-	7.8	-		-	-	-	-	-	-	-	-	-		-	-
3	9	59	6.2	12.0	7.7	2.3	3.7	1.1	2.5	.0	4	56	70	16	13	20		113	2000
3	16	59	7.3	-	7.9	-		-	-	-	-	50	-	-	-	-		-	-
3	23	59	-	-	7.4	-		-	-	-	-	56	62	-	-	-		-	-
3	30	59	8.0	-	-	-		-	-	-	-	-	-	-	-	-		-	-
4	28	59	10.3	10.8	7.2	1.8	11.3	.7	1.2	-	4	49	59	18	11	15		120	3900
5	11	59	11.3	-	-	-		-	-	-	-	-	-	-	-	-		-	-
5	18	59	12.9	-	-	-		-	-	-	-	-	-	-	-	-		-	-
5	26	59	12.8	9.0	7.2	.0	10.4	.8	1.6	.7	4	38	36	12	7	11		170	1600
6	1	59	-	-	7.5	-		-	-	-	3	70	80	-	-	-		-	-
6	9	59	14.6	-	7.2	-		-	-	-	4	56	48	-	-	-		-	-
6	15	59	14.8	-	6.9	-		-	-	-	4	54	44	-	-	-		-	-
6	22	59	15.8	-	7.3	-		-	-	-	2	82	50	-	-	-		-	-
6	29	59	16.9	-	7.1	-	9.5	-	-	-	3	66	40	-	-	-		-	2900
6	30	59	-	11.1	7.1	2.1		1.5	.0	4.6	2	41	52	12	9	9		83	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: OREGON

MAJOR BASIN: PACIFIC NORTHWEST

SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION: COLUMBIA RIVER M552 AT CLATSKANIE, OREGON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	16.9	-	7.4	-	-	-	-	-	2	-	60	-	-	-		-	-
7	13	59	18.0	-	7.4	-	-	-	-	-	3	-	60	-	-	-		-	-
7	27	59	19.7	-	7.4	-	-	-	-	-	-	-	-	2	-	18		60	-
7	28	59	19.2	9.5	7.3	1.4	11.3	.5	1.5	.6	7	43	58	10	3	17		70	2900
8	3	59	19.1	-	8.0	-	-	-	-	-	3	52	68	-	-	-		-	-
8	10	59	20.0	-	-	-	-	-	-	-	4	-	60	-	-	-		-	-
8	18	59	20.1	-	7.8	-	-	-	-	-	-	-	-	3	-	16		72	-
8	24	59	18.0	-	7.9	-	-	-	-	-	-	-	-	2	-	18		78	-
8	31	59	18.0	-	7.9	-	-	-	-	-	-	-	-	4	-	12		96	-
9	14	59	18.0	-	8.0	-	-	-	-	-	9	64	68	-	-	-		-	-
9	24	59	15.4	9.1	7.4	1.2	14.4	1.8	4.4	-	5	50	63	9	12	18		90	-
9	29	59	-	-	7.8	-	-	-	-	-	4	63	64	-	-	-		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: OREGON

MAJOR BASIN: PACIFIC NORTHWEST

SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER

STATION LOCATION: COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	20.0	8.5	8.1	.9	5.1	.7	2.3	2.3	5	73	77	1	2	20		131	*1
10	13	58	15.0	9.5	8.0	1.4	8.0	.5	2.0	2.5	5	72	78	0	0	21		135	2
10	20	58	14.5	9.3	7.8	1.2	5.4	.2	2.0	2.4	5	74	81	0	0	29		136	60
10	27	58	12.5	10.2	8.1	1.2	5.8	.2	1.7	2.2	4	67	75	3	0	17		130	31
11	3	58	12.0	10.2	8.0	.9	4.0	.1	1.4	2.2	5	69	82	0	1	18		128	-
11	10	58	11.5	10.2	8.0	.7	5.8	.7	4.3	2.9	4	64	75	5	44	22		121	90
11	17	58	9.0	10.7	7.8	.9	5.0	.5	3.9	4.0	3	73	-	0	1	23		174	15
11	24	58	8.0	10.4	7.8	1.0	4.9	2.5	5.2	3.0	4	58	64	4	4	18		143	-
12	1	58	5.9	11.8	7.8	.9	5.8	1.4	4.3	2.9	4	66	74	2	4	20		155	90
12	8	58	5.5	12.0	7.9	1.7	10.8	1.1	4.0	4.1	4	63	64	5	10	18		132	50
12	15	58	4.5	12.3	7.7	.9	13.1	.5	1.8	1.8	4	63	64	5	15	18		131	-
12	22	58	5.3	12.0	7.7	.8	11.4	1.1	2.7	2.5	4	61	58	10	58	16		145	-
12	29	58	5.6	11.3	7.7	.6	2.4	.4	1.1	2.0	2	54	58	5	10	15		132	-
1	5	59	2.1	12.8	7.7	.4	6.0	.7	1.4	2.0	4	59	70	5	5	18		111	42
1	12	59	4.2	12.2	7.8	1.6	3.9	.4	1.1	2.1	4	55	66	5	10	17		118	150
1	19	59	3.9	13.0	7.7	.9	5.4	.4	1.3	1.9	5	64	76	5	10	18		116	40
1	26	59	4.5	12.0	7.7	.7	3.6	.5	.9	2.6	4	57	64	10	25	18		116	200
2	2	59	4.1	13.0	7.7	1.4	13.4	1.4	3.7	3.7	4	55	62	20	230	15		136	1100
2	9	59	4.1	12.7	7.7	.4	2.2	.4	.9	2.6	4	54	64	20	30	16		114	230
2	16	59	4.0	12.4	7.7	.8	6.7	.5	1.1	2.0	4	61	68	10	25	16		132	44
2	24	59	3.9	13.2	7.7	.7	4.4	.3	.9	2.4	4	64	64	10	20	17		147	40
3	2	59	4.9	12.8	7.8	1.3	5.6	.5	1.2	2.4	4	63	70	20	20	17		129	-
3	9	59	5.8	12.6	7.8	1.0	9.1	.7	1.5	2.6	4	65	72	20	25	17		132	360
3	16	59	6.3	12.4	7.8	.9	7.4	.5	1.7	2.8	3	61	70	5	25	17		105	25
3	23	59	6.1	12.8	7.8	1.0	5.1	.5	1.4	2.1	4	61	70	5	20	16		142	10
3	30	59	6.7	12.3	7.8	.9	7.7	.9	1.6	1.9	4	60	72	10	30	16		102	65
4	6	59	8.2	12.1	7.7	.7	6.0	.7	1.6	2.5	4	60	66	10	40	17		138	-
4	13	59	9.3	11.6	7.8	.8	-	1.0	1.6	2.7	4	54	62	10	25	15		100	95
4	20	59	10.0	12.0	7.8	.7	6.4	1.0	1.8	1.4	3	58	66	10	20	14		100	2
4	27	59	10.0	11.8	7.8	1.1	7.1	.9	1.7	1.6	3	56	66	10	15	14		153	*1
5	4	59	9.8	11.9	7.7	.8	5.6	.5	1.6	1.3	2	52	62	10	20	12		132	-
5	11	59	10.8	11.8	7.6	.8	3.1	.5	1.6	1.4	1	51	62	5	25	13		119	20
5	18	59	11.8	11.5	7.6	1.0	5.5	.9	1.7	1.7	2	50	62	5	20	11		98	35
5	25	59	12.1	11.6	7.6	1.0	-	-	-	1.4	2	46	58	10	25	10		80	5
6	1	59	13.9	11.7	7.8	.6	7.8	.4	1.1	2.5	2	45	54	10	20	8		92	48
6	8	59	13.8	11.4	7.5	.5	8.8	1.1	2.1	1.5	2	43	52	5	20	8		90	24
6	15	59	14.0	11.2	7.8	1.1	11.0	.7	3.0	1.2	2	45	52	5	15	11		109	40
6	22	59	15.5	10.9	7.8	.9	5.7	.9	2.1	1.2	1	43	52	5	10	10		133	13
6	29	59	15.5	10.9	7.9	.7	7.9	.9	1.4	1.2	2	46	54	5	15	10		100	60

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: OREGON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER BELOW YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT BONNEVILLE, OREGON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	15.8	10.9	7.7	1.5	5.0	1.2	1.8	1.5	2	50	58	5	15	10		117	56
7	13	59	17.5	10.1	7.9	1.1	4.4	.9	2.5	1.6	2	49	60	5	10	10		105	-
7	20	59	19.8	10.3	8.1	1.1	7.0	.9	2.1	1.5	2	51	62	5	10	10		102	28
7	27	59	18.8	9.7	8.0	.9	4.7	1.6	2.1	2.0	2	51	60	5	10	13		76	28
8	3	59	18.8	9.9	8.3	1.4	5.5	.9	2.1	2.6	2	52	62	5	10	11		104	20
8	10	59	20.1	10.4	8.2	1.5	-	-	-	1.4	2	53	66	5	10	-		-	25
8	17	59	19.5	9.0	7.9	1.0	19.4	-	-	1.6	2	53	65	5	10	14		109	2
8	24	59	19.0	9.3	8.2	1.3	4.4	.5	1.8	2.5	2	54	64	5	5	14		108	15
9	21	59	17.2	9.9	8.1	.8	1.4	1.6	2.3	-	-	61	72	5	5	15		135	200
9	28	59	15.9	10.0	8.0	1.0	5.4	.4	1.9	1.7	3	60	70	5	5	17		94	23

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: COLUMBIA RIVER AT PASCO, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	18.0	8.9	7.9	.2	-	.8	1.3	-	-	64	74	6	3	-		-	-
10	13	58	17.0	9.4	7.8	.3	-	.8	1.5	-	-	65	72	3	1	-		-	-
10	20	58	16.0	-	7.9	-	-	.8	1.3	-	-	62	74	3	2	-		-	-
10	27	58	15.0	9.2	7.8	.7	7.2	1.0	1.3	-	-	63	72	3	3	-		-	-
11	3	58	14.5	9.5	7.9	.7	-	.8	1.3	-	-	62	74	4	2	-		-	-
11	10	58	14.0	9.6	8.0	.7	-	.5	1.0	-	-	66	76	2	1	-		-	-
11	17	58	12.0	9.6	7.8	.7	-	.8	1.0	-	-	64	70	9	5	-		-	-
11	24	58	11.0	10.3	7.7	.8	-	.8	1.0	-	-	64	74	6	2	-		-	-
12	1	58	8.0	10.3	7.7	.8	-	.5	.8	-	-	62	76	5	2	-		-	-
12	8	58	9.0	10.9	7.6	1.7	-	.5	.8	-	-	62	74	7	3	-		-	-
12	15	58	8.0	10.8	7.7	1.7	-	.8	1.0	-	-	62	76	5	3	-		-	-
12	22	58	8.0	10.9	7.8	1.5	-	.5	.8	-	-	65	74	6	3	-		-	-
12	29	58	7.5	10.8	7.8	.9	4.6	.5	1.0	-	-	67	78	7	4	-		-	-
1	5	59	4.0	11.0	7.9	1.9	-	.8	1.0	-	-	62	76	5	3	-		-	-
2	2	59	7.0	12.3	7.8	2.5	6.5	.5	.8	-	-	63	78	8	2	-		-	-
2	9	59	5.0	12.3	7.5	2.5	-	.5	1.0	-	-	64	74	11	7	-		-	-
2	16	59	5.0	12.6	7.8	3.7	-	.5	1.0	-	-	62	74	10	8	-		-	-
2	23	59	5.0	12.3	-	2.2	-	.5	1.0	-	-	63	78	12	8	-		-	-
3	2	59	5.0	12.7	7.8	2.3	6.7	-	-	-	-	69	72	16	11	-		-	-
3	9	59	6.0	12.2	7.8	2.2	-	.5	1.0	-	-	65	73	16	4	-		-	-
3	16	59	6.0	12.4	7.8	2.9	-	.5	1.0	-	-	65	74	15	4	-		-	-
3	23	59	6.0	11.8	7.8	2.5	-	.5	1.0	-	-	66	78	9	4	-		-	-
3	29	59	6.0	11.7	7.9	1.2	8.5	-	-	-	-	69	74	25	6	-		-	-
4	6	59	8.0	11.6	8.0	1.7	-	.8	1.5	-	-	70	78	18	30	-		-	-
4	13	59	6.0	12.0	8.0	2.7	-	-	-	-	-	78	84	7	8	-		-	-
4	20	59	9.0	11.5	7.9	1.9	-	-	-	-	-	78	82	10	12	-		-	-
4	27	59	9.0	10.9	7.8	1.3	7.5	.8	1.5	-	-	72	82	68	4	-		-	-
5	4	59	10.0	11.4	8.0	1.7	-	-	-	-	-	66	80	12	11	-		-	-
5	11	59	12.0	11.6	8.0	2.2	-	-	-	-	-	71	78	8	11	-		-	-
5	18	59	12.5	8.6	8.1	1.0	-	.8	2.0	-	-	61	70	14	8	-		-	-
5	25	59	13.0	7.5	8.2	.9	12.5	.8	2.0	-	-	63	72	12	13	-		-	-
6	1	59	13.0	9.0	7.8	1.6	-	-	-	-	-	66	59	12	13	-		-	-
6	8	59	13.0	7.3	8.0	1.1	-	-	-	-	-	55	70	18	14	-		-	-
6	15	59	14.0	11.4	8.0	2.2	-	-	-	-	-	57	66	15	13	-		-	-
6	22	59	15.0	10.7	8.0	3.2	7.5	-	-	-	-	60	60	10	11	-		-	-
6	29	59	14.0	10.8	8.0	2.0	-	-	-	-	-	56	66	11	13	-		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WASH IGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN MIDDLE AND LOWER SNAKE RIVER

STATION LOCATION COLUMBIA RIVER AT PASCO, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	15.3	9.6	7.8	1.6	-	-	-	-	-	58	64	9	7	-		-	-
7	13	59	17.0	-	7.9	-	-	-	-	-	-	61	68	12	6	-		-	-
7	20	59	17.0	9.7	8.0	.4	5.0	-	-	-	-	60	62	8	10	-		-	-
7	27	59	18.0	9.9	8.0	1.2	-	-	-	-	-	60	66	9	9	-		-	-
8	3	59	18.0	10.1	7.9	1.4	-	-	-	-	-	60	72	5	5	-		-	-
8	10	59	19.0	9.8	7.9	1.2	-	-	-	-	-	64	74	8	4	-		-	-
8	17	59	20.0	9.5	8.0	.8	-	-	-	-	-	58	64	8	4	-		-	-
8	24	59	18.0	9.7	7.9	1.2	-	-	-	-	-	60	72	6	4	-		-	-
8	31	59	19.0	9.7	8.1	1.2	-	-	-	-	-	64	70	5	3	-		-	-
9	7	59	18.5	9.3	8.0	.6	-	-	-	-	-	63	76	7	3	-		-	-
9	14	59	18.0	9.5	8.0	.5	-	-	-	-	-	63	70	6	3	-		-	-
9	21	59	18.0	9.5	7.9	.9	-	-	-	-	-	62	76	6	3	-		-	-
9	28	59	17.0	8.7	7.8	.7	4.6	-	-	-	-	59	72	3	3	-		-	-

WATER QUALITY BASIC DATA

CHEMICAL PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER ABOVE YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT WENATCHEE, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	8	58	17.4	-	7.2	-		-	-	-	-	56	62	-	-	-		38	*30
10	16	58	17.1	-	7.9	-		-	-	-	-	58	65	-	-	-		121	*30
10	22	58	15.7	-	7.5	-		-	-	-	-	58	65	-	-	-		119	-
10	29	58	15.1	-	7.8	-		-	-	-	-	57	62	-	-	-		103	-
11	5	58	14.1	-	7.7	-		-	-	-	-	58	60	-	-	-		116	*90
11	12	58	13.0	-	7.8	-	3.7	-	-	-	-	58	61	-	-	-		243	-
11	19	58	10.2	-	7.8	-		-	-	-	-	57	64	-	-	-		89	*28
11	26	58	9.3	-	7.7	-		-	-	-	-	58	66	-	-	-		131	*30
12	1	58	9.2	-	7.5	-		-	-	-	-	59	64	-	-	-		74	*26
12	8	58	8.3	-	6.9	-		-	-	-	-	65	50	-	-	-		85	-
12	15	58	8.7	-	7.0	-		-	-	-	-	51	66	-	-	-		147	-
12	22	58	8.6	-	7.5	-		-	-	-	-	54	-	-	-	-		99	-
12	29	58	7.5	-	7.2	-		-	-	-	-	76	67	-	-	-		96	-
1	5	59	4.4	-	7.9	-		-	-	-	-	59	74	-	-	-		-	-
1	19	59	6.3	-	7.8	-		-	-	-	-	-	66	-	-	-		121	-
1	26	59	5.5	-	8.0	-		-	-	-	-	64	64	-	-	-		66	*30
2	2	59	4.5	-	7.3	-		-	-	-	-	57	63	-	-	-		83	*30
2	9	59	3.3	-	7.5	-		-	-	-	-	60	64	-	-	-		140	-
2	16	59	3.1	-	7.3	-		-	-	-	-	61	67	-	-	-		62	*3
2	24	59	3.2	-	7.7	-		-	-	-	-	60	64	-	-	-		114	-
3	2	59	3.3	-	8.0	-		-	-	-	-	61	62	-	-	-		125	-
3	9	59	3.9	-	8.0	-	4.8	-	-	-	-	64	63	-	-	-		137	-
3	16	59	3.9	-	7.9	-		-	-	-	-	61	69	-	-	-		120	-
3	23	59	4.3	-	8.0	-		-	-	-	-	64	79	-	-	-		113	-
3	30	59	6.5	-	7.9	-		-	-	-	-	61	91	-	-	-		121	-
4	6	59	5.4	-	8.0	-	6.9	-	-	-	-	65	81	-	-	-		104	-
4	13	59	6.4	-	8.0	-		-	-	-	-	66	76	-	-	-		100	-
4	20	59	7.0	-	8.2	-		-	-	-	-	71	70	-	-	-		248	-
4	27	59	8.0	-	7.8	-		-	-	-	-	65	71	-	-	-		308	-
5	4	59	9.1	-	8.0	-		-	-	-	-	64	66	-	-	-		128	-
5	11	59	10.1	-	8.0	-		-	-	-	-	60	70	-	-	-		214	-
5	18	59	10.4	-	8.1	-		-	-	-	-	57	61	-	-	-		137	-
6	2	59	11.5	-	8.1	-		-	-	-	-	53	61	-	-	-		110	-
6	8	59	11.6	-	7.8	-	6.2	-	-	-	-	52	57	-	-	-		101	-
6	15	59	12.4	-	8.1	-		-	-	-	-	54	56	-	-	-		95	-
6	22	59	13.0	-	8.0	-		-	-	-	-	53	54	-	-	-		106	-
6	29	59	14.0	-	8.0	-		-	-	-	-	55	58	-	-	-		101	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: COLUMBIA RIVER ABOVE YAKIMA RIVER
STATION LOCATION: COLUMBIA RIVER AT WENATCHEE, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	7	59	14.6	-	-	-	-	-	-	-	-	54	67	-	-	-		118	-
7	14	59	15.8	-	8.0	-	8.1	-	-	-	-	56	61	-	-	-		73	#3
7	21	59	16.6	-	8.1	-	-	-	-	-	-	53	58	-	-	-		95	-
7	27	59	16.8	-	7.9	-	-	-	-	-	-	56	63	-	-	-		68	-
8	2	59	17.4	-	8.0	-	-	-	-	-	-	56	59	-	-	-		117	#3
8	10	59	17.8	-	8.1	-	-	-	-	-	-	56	63	-	-	-		93	#3
8	17	59	16.7	-	8.1	-	-	-	-	-	-	55	64	-	-	-		114	-
8	24	59	17.4	-	7.0	-	-	-	-	-	-	58	58	-	-	-		88	-
9	1	59	16.9	-	7.8	-	-	-	-	-	-	51	63	-	-	-		73	-
9	9	59	16.4	-	7.6	-	-	-	-	-	-	51	68	-	-	-		82	-
9	14	59	17.6	-	7.9	-	-	-	-	-	-	56	62	-	-	-		77	-
9	21	59	16.7	-	7.9	-	-	-	-	-	-	53	61	-	-	-		71	-
9	28	59	16.3	-	8.0	-	-	-	-	-	-	55	61	-	-	-		107	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: PENNSYLVANIA
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: DELAWARE-SCHUYLKILL RIVERS
STATION LOCATION: DELAWARE RIVER M90 AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	16.0	7.8	7.1	-	17.0	3.0	4.8	3.0	6	44	62	35	45	30		160	3500
10	13	58	15.0	7.6	7.1	-	18.8	4.2	7.1	6.0	19	37	62	40	30	28		162	6000
10	21	58	15.0	9.0	7.2	-	16.5	3.6	6.0	2.4	11	45	66	25	25	29		178	2000
10	28	58	15.0	9.0	7.2	-	10.3	2.3	5.4	1.6	9	50	68	25	28	29		140	4900
11	3	58	10.0	10.0	7.1	-	10.0	4.7	7.7	4.0	4	30	40	30	25	28		102	3200
11	10	58	10.0	10.2	7.1	-	12.2	2.0	3.8	1.4	3	27	38	25	26	19		102	9400
11	17	58	10.0	10.0	7.1	-	14.0	3.9	5.3	5.6	5	34	48	20	30	20		122	1400
11	24	58	8.0	3.9	7.1	-	7.0	8.1	10.3	5.8	6	38	48	20	28	24		118	680
12	1	58	9.0	13.0	7.2	-	13.5	4.5	6.8	4.0	3	32	52	30	80	26		163	2800
12	8	58	1.0	10.0	7.0	-	9.2	7.2	9.8	3.0	9	27	52	40	25	23		111	5800
12	15	58	.5	15.0	7.1	-	12.0	6.0	7.5	6.0	5	30	52	15	25	22		115	4400
12	22	58	1.0	13.2	7.2	-	10.3	4.8	6.0	6.0	6	37	64	20	22	26		135	1600
12	29	58	2.0	13.4	7.3	-	13.0	3.8	5.2	7.5	6	36	60	22	28	27		133	-
1	5	59	1.0	14.0	7.2	-	12.2	4.0	5.8	15.0	6	37	72	50	75	25		144	1800
1	12	59	1.0	13.5	7.2	-	10.4	5.2	6.6	75.0	8	36	84	70	65	29		150	4400
1	19	59	1.0	8.0	6.9	-	8.9	5.0	6.6	2.8	10	40	60	18	15	22		120	2100
1	26	59	1.0	10.0	7.0	-	-	2.0	3.8	6.8	5	21	60	65	110	43		115	3800
2	2	59	1.0	11.5	6.9	-	8.8	1.8	4.1	8.4	7	27	54	15	30	40		78	1000
2	9	59	1.0	12.2	7.0	-	21.2	3.3	6.2	18.0	10	29	76	35	50	38		168	3400
2	16	59	1.0	14.6	7.1	-	20.9	4.6	5.9	10.0	9	27	70	35	65	22		162	4600
2	23	59	2.0	12.4	7.1	-	15.4	2.8	4.5	5.6	7	30	53	25	38	24		122	-
3	2	59	3.0	11.0	7.1	-	11.9	3.0	4.2	8.5	6	32	70	30	30	31		160	2000
3	9	59	6.0	12.2	7.1	-	12.9	4.4	5.0	10.0	8	34	48	50	160	53		321	5600
3	16	59	3.0	14.8	7.1	-	10.5	3.8	4.9	12.0	11	28	48	35	45	70		162	4200
3	23	59	10.0	12.3	7.2	-	9.6	4.7	6.2	12.0	10	31	46	30	48	35		120	2600
3	30	59	7.0	9.3	7.2	-	16.9	3.0	5.2	9.0	9	28	70	30	25	29		110	2400
4	6	59	9.0	10.6	7.2	-	9.7	-	-	18.0	3	27	26	35	60	32		94	1800
4	13	59	11.0	10.2	7.2	-	8.7	-	-	25.0	5	26	36	25	40	28		96	5100
4	20	59	15.0	8.5	7.2	-	7.4	-	-	7.0	6	27	28	20	28	25		105	1800
4	27	59	15.0	9.5	7.2	-	4.6	-	-	10.0	5	33	44	30	35	30		98	4500
5	4	59	15.0	9.0	7.2	-	8.6	-	-	9.6	4	31	48	35	38	22		94	-
5	11	59	17.0	6.8	7.2	-	6.3	-	-	18.0	8	30	48	45	48	15		105	5000
5	18	59	19.0	6.6	7.2	-	7.7	-	-	10.0	5	35	56	40	23	21		100	22000
5	25	59	22.0	5.6	7.2	-	13.2	-	-	14.0	4	37	48	30	32	25		95	-
6	1	59	23.0	6.0	7.2	-	18.2	-	-	10.0	3	42	60	40	25	43		150	3600
6	8	59	23.0	4.5	7.2	-	15.7	-	-	17.0	7	41	58	30	28	34		140	-
6	15	59	23.0	6.0	7.2	-	15.3	-	-	5.0	6	41	64	20	38	35		155	17000
6	22	59	24.0	5.3	7.1	-	13.7	-	-	12.0	8	40	58	25	28	40		190	11000
6	29	59	25.0	6.1	7.1	-	11.8	-	-	6.0	9	43	68	30	32	24		193	800

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: PENNSYLVANIA
MAJOR BASIN: NORTH ATLANTIC
SUB BASIN: DELAWARE-SCHUYLKILL RIVERS
STATION LOCATION: DELAWARE RIVER M90 AT PHILADELPHIA, PENNSYLVANIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	26.0	6.4	7.2	-	15.0	-	-	10.0	7	42	65	25	25	24		187	-
7	13	59	25.0	5.5	7.1	-	12.4	-	-	14.0	7	44	66	30	25	26		195	2000
7	20	59	25.0	4.0	7.1	-	15.9	-	-	10.0	7	42	64	10	38	39		143	9600
7	27	59	26.0	5.1	7.1	-	13.7	-	-	16.0	6	43	64	15	25	31		186	-
8	3	59	26.0	5.2	7.1	-	13.9	-	-	8.0	9	38	58	12	27	32		165	21000
8	10	59	26.0	5.1	7.2	-	13.5	-	-	5.0	9	40	69	13	30	32		163	14000
8	17	59	25.0	5.3	7.2	-	13.1	-	-	12.0	8	41	62	15	25	30		172	32000
8	24	59	26.0	5.0	7.2	-	17.1	-	-	20.0	7	45	64	20	35	28		128	-
8	31	59	27.0	4.1	7.1	-	18.8	-	-	14.0	7	46	62	20	53	31		181	-
9	7	59	26.0	3.8	7.1	-	14.1	-	-	8.0	6	45	68	30	35	36		192	23000
9	14	59	26.0	7.0	7.1	-	20.7	-	-	14.0	3	40	66	30	22	41		190	80000
9	21	59	21.0	7.6	7.1	-	17.7	-	-	14.0	7	41	64	30	22	40		223	3500
9	28	59	21.0	5.4	7.2	-	12.8	-	-	14.0	7	46	78	25	18	35		220	5200

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LAKE ERIE-NIAGARA

STATION LOCATION LAKE ERIE AT BUFFALO, NEW YORK

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	58	19.1	9.2	8.1	.8	7.3	.0	.8	.1	29	88	129	0	7	23		127	12
10	8	58	16.8	10.0	8.2	1.1	4.4	.0	.5	.1	32	88	124	0	2	24		-	12
10	15	58	17.0	9.6	8.0	.8	2.9	.0	.2	.1	29	87	128	0	2	23		-	21
10	22	58	16.1	10.6	8.0	.6	9.4	.1	.8	.1	20	96	132	-	1	23		121	5
10	29	58	17.0	10.5	8.0	1.2	6.7	.0	.2	.0	30	92	124	0	1	22		193	2
11	5	58	13.6	10.7	8.3	.7	6.1	.0	.4	.0	26	89	128	5	5	20		182	16
11	19	58	12.0	11.6	8.1	.7	13.7	1.0	3.2	.3	29	88	130	0	12	27		180	9
11	26	58	11.0	11.0	7.8	1.3	5.4	.6	3.0	.1	33	70	124	0	5	27		189	-
12	3	58	7.5	12.9	7.7	.8	6.0	.8	2.4	.1	25	49	130	0	6	25		205	5
12	10	58	2.2	14.4	8.1	.8	6.9	.6	2.7	.1	23	88	132	0	7	25		181	180
12	17	58	3.5	14.8	8.3	1.4	1.7	.9	2.4	.1	45	88	120	10	10	26		192	-
12	24	58	4.2	14.2	8.3	1.2	3.1	.8	2.1	.1	30	88	120	10	7	25		188	-
12	31	58	3.9	14.8	8.2	.4	3.5	-	-	.0	29	88	122	5	5	19		178	-
1	7	59	3.0	14.4	8.2	.4	8.5	.9	2.4	.1	28	89	118	0	2	22		204	-
1	14	59	2.0	14.4	8.1	1.2	6.5	.2	1.2	.0	30	88	120	0	5	23		168	*1
1	22	59	3.0	15.0	7.8	2.3	7.6	.8	2.4	.1	21	86	128	0	3	26		162	-
1	28	59	1.7	15.0	8.0	.2	7.0	.6	2.6	.0	27	88	136	0	7	22		166	60
2	4	59	9.0	13.2	8.1	.1	6.6	.6	2.8	.0	28	86	132	0	5	22		165	5
2	11	59	1.5	14.8	8.0	.4	4.1	.7	-	.0	25	80	120	0	3	22		178	2
2	17	59	3.0	14.4	7.7	1.6	5.8	.8	2.6	.0	28	78	120	0	1	23		170	10
2	25	59	4.0	13.7	7.8	.5	3.7	.9	2.6	.0	28	80	122	0	2	25		169	*1
3	5	59	5.0	13.9	8.0	.1	3.3	.9	2.6	.0	28	80	120	0	1	24		189	-
3	11	59	7.1	14.3	7.8	1.0	3.3	.8	2.6	.0	28	80	124	0	2	22		194	-
3	18	59	6.0	14.0	7.9	1.3	4.0	.6	2.0	.0	25	80	124	0	2	22		191	*1
3	25	59	4.8	13.8	7.9	1.8	6.8	.2	2.0	.0	27	82	120	0	1	24		204	-
4	2	59	3.8	14.4	8.1	.5	4.0	.2	1.4	.0	29	92	120	0	2	20		182	-
4	8	59	4.5	14.4	7.4	.7	.3	.5	1.9	.0	29	90	120	0	9	24		191	10
4	15	59	3.0	13.4	7.8	.7	4.2	.4	2.2	.0	25	84	114	0	1	23		189	*1
4	22	59	5.9	13.5	7.4	.6	2.2	.8	2.2	.0	26	84	110	0	3	22		165	130
4	29	59	6.4	13.4	8.1	.5	5.3	.8	1.9	.0	25	86	120	0	3	19		176	2
5	6	59	7.5	13.2	7.8	.4	4.2	.8	1.9	.1	25	80	116	0	3	22		168	-
5	13	59	7.5	13.0	8.0	.7	2.0	.6	1.9	.0	25	80	120	0	2	20		176	-
5	20	59	11.0	12.2	8.1	1.0	4.0	1.0	3.0	.0	29	92	120	0	2	22		198	*1
5	27	59	14.5	11.3	8.1	1.0	2.4	.9	2.8	.0	23	88	120	0	3	22		202	*1
6	4	59	15.5	11.0	7.9	-	8.0	.8	2.9	.1	23	86	120	0	3	23		183	-
6	10	59	20.0	10.4	8.3	.8	7.2	1.1	2.8	.0	23	94	116	0	1	22		213	*4
6	17	59	18.5	9.4	8.1	.8	5.5	1.4	3.2	.1	25	90	122	0	4	22		204	3
6	24	59	19.5	9.1	8.3	.7	4.6	1.4	3.5	.0	29	92	128	0	2	24		207	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: NEW YORK
MAJOR BASIN: NORTHEAST
SUB BASIN: LAKE ERIE-NIAGARA
STATION LOCATION: LAKE ERIE AT BUFFALO, NEW YORK

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	1	59	22.7	9.2	8.1	1.6	4.8	1.2	3.2	.0	28	88	120	0	1	25		264	-
7	8	59	22.2	8.9	8.4	.9	16.6	.9	2.7	.1	26	90	124	0	1	23		195	-
7	15	59	22.1	9.0	8.4	.7	27.0	1.3	3.3	.1	18	90	120	0	1	22		200	-
7	22	59	23.5	8.9	8.4	1.0	5.4	1.8	3.7	.0	23	90	120	0	2	22		203	-
7	29	59	24.2	8.6	8.3	.6	4.8	1.5	3.4	.0	19	90	120	0	3	17		195	-
8	5	59	23.5	8.4	8.4	.4	5.2	1.3	3.2	.0	23	92	130	0	1	23		194	-
8	19	59	24.6	8.2	8.3	.5	5.0	1.3	3.0	.0	25	94	130	0	3	25		222	-
8	26	59	25.0	8.0	8.4	.8	3.7	1.4	2.6	.0	25	90	120	0	6	21		241	30
9	2	59	25.8	8.1	8.4	.7	4.3	1.3	2.0	.0	23	94	120	0	3	20		216	7
9	9	59	25.5	8.2	8.5	.6	3.9	1.1	2.3	.0	23	90	120	0	3	21		220	*4
9	16	59	20.8	8.8	8.2	.5	4.5	1.3	2.3	.0	23	98	126	0	3	22		202	3
9	23	59	19.9	8.9	8.3	.5	5.6	1.3	2.3	.0	23	90	120	0	2	21		204	11
9	30	59	20.6	8.7	8.4	.4	2.3	.8	1.5	.0	25	88	120	0	2	22		212	4

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	8	58	14.4	8.5	7.9	.5	3.0	.5	.9	.0	8	83	99	0	15	13		135	17
10	14	58	13.3	9.0	8.0	.5	3.4	.4	.9	.2	8	82	99	0	25	12		132	19
10	21	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	3
10	29	58	11.1	9.2	8.0	.6	2.8	.4	.9	.1	6	82	99	0	15	12		128	7
11	5	58	10.0	9.8	7.9	.5	2.4	.5	1.2	.0	7	82	100	0	10	12		123	4
11	11	58	7.8	10.9	8.0	.6	6.1	.8	1.3	.3	8	81	101	0	30	12		128	14
11	18	58	15.6	9.5	7.9	.6	4.0	.6	1.1	.0	7	81	99	0	10	12		128	10
11	26	58	6.0	10.7	7.9	.5	2.8	.5	1.0	.1	7	79	99	0	50	12		127	-
12	3	58	.5	13.0	7.9	.4	3.5	.5	1.0	.0	6	79	99	0	20	11		127	47
12	9	58	.5	13.1	7.9	.5	3.2	.5	1.0	.0	6	81	99	0	15	10		125	90
12	16	58	.5	13.0	8.0	.4	2.6	.4	.9	.0	6	80	100	0	4	10		124	-
12	25	58	.5	13.3	7.9	.5	2.6	.5	.9	.0	6	83	99	0	6	12		120	-
1	6	59	.2	15.0	7.9	.4	3.6	.5	1.0	.1	7	83	102	0	6	12		125	2
1	13	59	.5	14.4	7.9	.4	3.1	.5	.9	.0	6	84	103	0	2	12		125	*1
1	21	59	.5	14.2	7.9	.4	2.5	.6	1.0	.0	6	83	100	0	2	11		125	*1
1	28	59	.5	14.0	8.0	.4	2.8	.5	1.0	.2	7	83	105	0	2	12		120	*1
2	10	59	.5	13.9	8.0	.6	2.2	.5	1.0	.0	8	82	103	0	2	13		127	*1
2	18	59	.2	14.8	8.0	.5	3.7	.5	1.1	.0	7	83	103	0	3	12		123	*1
2	24	59	.3	14.2	8.0	.5	3.7	.5	1.0	.1	7	84	103	0	3	12		130	14
3	3	59	.5	14.1	8.0	.5	4.1	.6	1.1	.1	7	83	100	0	2	13		122	*1
3	10	59	.5	14.0	8.0	.5	3.5	.6	1.2	.1	6	79	99	0	2	11		122	3
3	18	59	.5	13.9	8.0	.5	3.5	.5	1.0	.1	7	82	99	0	5	11		125	6
3	24	59	.7	13.7	8.0	.6	3.9	.7	1.4	.0	7	82	100	0	3	13		116	*1
3	31	59	.7	13.5	8.0	.4	2.9	.7	1.3	.2	7	79	103	0	25	13		123	7
4	7	59	3.8	12.2	7.9	.6	3.4	.7	1.2	.2	7	79	100	0	30	13		123	27
4	15	59	4.4	12.2	7.9	.6	4.2	.6	1.2	.1	7	81	107	0	7	17		131	4
4	21	59	7.2	11.6	7.9	1.3	5.9	.6	1.5	.0	7	81	100	0	10	14		122	3
4	28	59	8.4	11.2	7.9	.5	4.5	.6	1.3	.1	7	81	99	0	30	14		125	7
5	5	59	12.2	10.5	8.1	.6	4.3	.6	1.1	.1	7	81	100	0	10	13		125	4
5	13	59	12.4	10.6	8.1	.5	3.6	.7	1.3	.1	7	82	99	0	10	13		125	11
5	21	59	11.1	10.6	8.1	-	3.6	.6	1.2	.1	7	84	100	0	10	13		126	8
6	2	59	17.7	9.4	8.0	.4	4.0	.6	1.2	.0	7	83	99	0	10	13		124	24
6	10	59	19.4	9.0	8.0	.5	3.9	.6	1.3	.1	6	81	99	0	7	12		121	13
6	16	59	19.8	9.2	8.1	.5	6.4	.6	1.3	.0	7	83	100	0	8	12		122	190
6	30	59	21.7	8.2	8.2	.5	3.8	.7	1.3	.0	7	81	101	0	10	16		126	4
7	8	59	22.2	8.2	8.1	.7	3.9	.8	1.5	.1	7	81	101	0	10	13		126	4
7	14	59	23.3	8.0	8.1	.7	3.8	.8	1.5	.2	7	81	101	0	10	14		126	10
7	21	59	22.8	8.3	8.0	.5	3.8	.8	1.6	.2	9	80	99	0	10	13		131	1

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MICHIGAN

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. CLAIR-DETROIT RIVERS

STATION LOCATION DETROIT RIVER AT DETROIT, MICHIGAN

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	11	59	22.2	8.3	8.0	.7	3.7	.8	1.6	.0	8	81	101	0	8	12		124	4
8	18	59	25.0	7.4	7.9	.4	1.8	.8	2.2	.2	7	79	99	0	10	12		122	11
8	24	59	25.0	8.2	8.2	.5	2.9	.8	1.7	.1	7	79	98	0	8	12		125	9
9	2	59	25.0	8.3	7.9	.4	3.1	.8	1.7	.1	8	80	98	0	8	12		124	-
9	9	59	24.4	7.8	8.1	.5	4.9	.6	1.2	.1	8	78	96	0	10	12		123	2
9	15	59	20.0	8.9	8.0	.6	7.3	.6	1.5	.2	8	81	95	0	10	12		123	#1
9	21	59	16.7	9.9	7.9	.5	3.6	.6	1.2	.0	7	79	97	0	15	12		126	15
9	30	59	19.5	9.0	8.1	.5	4.0	.6	1.4	.0	7	79	97	0	15	13		128	50

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MINNESOTA
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: LAKE SUPERIOR
STATION LOCATION: LAKE SUPERIOR AT DULUTH, MINNESOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	8.3	11.3	7.7	.5	4.4	.7	1.6	.2	2	43	38	5	0	5		53	17
10	13	58	10.6	11.3	7.6	.5	4.0	.9	2.1	.1	?	42	40	0	0	5		63	1
10	20	58	9.4	11.7	7.7	.4	4.0	.9	2.1	.1	2	42	40	0	0	4		53	2
10	27	58	10.0	11.2	7.8	.4	6.6	1.1	2.4	.1	2	42	40	0	0	4		66	-
11	3	58	10.0	11.2	7.7	.3	4.0	1.0	2.2	.1	2	42	39	5	0	4		52	-
11	10	58	10.0	11.2	7.9	.5	3.6	1.2	2.4	.1	2	42	39	5	0	4		55	26
11	17	58	9.4	11.3	7.8	.6	5.6	.9	2.2	.1	2	39	37	0	1	4		54	16
11	24	58	8.3	11.5	7.8	.5	4.8	.8	1.7	.2	2	40	38	0	1	4		64	32
12	1	58	6.7	12.2	7.8	1.0	4.8	1.0	1.7	.1	2	40	38	0	1	5		50	25
12	8	58	6.1	12.3	7.8	.6	4.0	.9	1.6	.0	2	42	40	0	1	5		62	*1
12	15	58	4.4	12.5	7.8	.6	3.8	.9	1.3	.0	2	43	39	0	1	4		62	2
12	22	58	4.4	12.6	7.8	.5	4.0	.9	1.4	.0	2	43	41	0	0	4		61	-
12	29	58	4.4	12.7	7.8	.3	4.4	.9	1.3	.1	2	42	40	0	0	5		48	-
1	5	59	4.4	12.8	7.8	.6	6.8	.9	1.4	.0	1	43	41	0	0	5		54	*1
1	12	59	4.4	12.8	7.8	.8	6.8	.9	1.3	.0	1	43	41	0	0	4		51	*1
1	19	59	4.4	12.7	7.8	.6	6.8	.9	1.4	.2	1	43	41	0	0	2		56	4
1	26	59	3.3	13.0	7.8	1.0	7.6	1.3	2.9	.2	2	42	41	5	1	4		62	15
2	2	59	3.3	13.0	7.7	.4	5.0	.9	2.0	.1	2	42	39	5	1	2		55	7
2	9	59	2.8	12.9	7.8	.9	8.8	1.8	3.4	.3	1	42	40	15	2	2		61	68
2	16	59	3.3	13.7	7.7	.5	2.8	1.1	1.7	.1	2	42	37	0	1	1		49	1
2	24	59	1.1	13.9	7.6	.3	2.8	1.0	2.1	.0	2	44	40	0	1	2		42	2
3	2	59	.6	13.8	7.6	.5	3.6	1.0	1.7	.0	1	43	40	0	1	2		46	*1
3	9	59	1.1	13.9	7.5	.3	3.6	1.1	2.1	.0	2	43	37	5	1	2		47	3
3	16	59	.6	14.0	7.6	.4	2.8	1.0	1.5	.0	2	43	41	0	1	5		53	2
3	30	59	1.1	13.8	7.6	.3	2.6	1.0	2.0	.0	2	45	44	0	1	4		53	1
4	7	59	1.1	13.8	7.6	.4	3.2	1.0	2.0	.0	2	45	45	0	0	5		56	2
4	13	59	1.1	13.9	7.6	.5	2.8	.9	2.0	.0	2	44	44	0	0	5		61	*1
4	20	59	1.7	13.7	7.6	.3	3.2	.7	2.0	.0	2	44	44	0	0	5		54	2
4	27	59	2.2	13.8	7.7	.6	3.6	.8	1.7	.0	2	44	44	0	0	5		59	*1
5	4	59	2.8	13.5	7.7	.5	4.0	1.0	2.2	.0	2	45	43	0	1	5		48	*1
5	11	59	3.3	13.5	7.6	.7	4.4	.9	2.0	.0	2	45	44	0	1	4		57	63
5	18	59	3.3	13.5	7.6	.6	4.4	.9	1.9	.0	2	45	44	0	1	4		58	*1
5	26	59	3.9	13.4	7.7	.6	3.6	.9	1.7	.1	2	44	43	5	1	2		44	*1
6	1	59	3.9	13.2	7.8	.3	2.0	.7	2.0	.1	1	45	44	5	6	3		35	66
7	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	*1
9	1	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	11
9	8	59	17.2	9.4	8.0	.4	6.0	1.0	3.0	.0	2	44	44	5	0	2		46	*1
9	14	59	15.0	9.6	7.7	.6	4.8	.9	1.8	.0	2	44	43	5	0	3		76	3
9	21	59	12.2	10.5	7.8	.7	4.0	.9	1.9	.1	2	45	44	5	1	4		57	3
9	28	59	11.1	10.6	7.7	.7	4.0	1.3	2.3	.1	2	45	44	0	1	2		53	6

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: INDIANA
MAJOR BASIN: WESTERN GREAT LAKES
SUB BASIN: ST. JOSEPH RIVER
STATION LOCATION: LAKE MICHIGAN AT GARY, INDIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	15.7	-	7.6	-	-	-	-	-	-	123	131	15	5	-		-	48
10	13	58	15.0	-	8.1	-	-	-	-	-	-	130	130	5	1	-		151	26
10	20	58	15.2	-	8.0	-	-	-	-	-	-	119	130	10	1	-		156	10
10	27	58	13.5	-	8.0	-	-	-	-	-	-	114	128	5	1	-		-	74
11	3	58	13.1	8.4	7.8	2.1	-	2.6	5.1	-	-	118	134	15	3	-		164	400
11	10	58	10.7	10.3	7.9	3.2	8.8	2.2	.0	-	7	119	132	25	14	-		-	1400
11	17	58	11.5	10.4	8.1	2.1	6.9	.9	-	-	6	118	131	10	2	-		-	1100
11	24	58	10.0	10.9	8.1	1.0	8.0	.5	1.6	-	6	119	131	15	8	-		160	790
12	1	58	5.2	12.2	8.0	1.3	7.3	1.0	2.3	-	6	118	131	10	9	-		162	1100
12	8	58	2.0	13.1	8.0	1.2	12.0	.4	1.7	-	6	118	131	15	4	-		-	43
1	5	59	1.4	13.8	7.8	.8	-	.6	1.7	-	6	124	141	15	8	-		179	38
1	12	59	1.4	13.9	8.0	.8	5.4	.9	2.4	-	6	125	141	10	2	-		178	*6
1	19	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	48
1	26	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	4
2	9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	36
2	24	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	170
3	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	500
3	10	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	580
3	16	59	2.8	15.6	7.9	2.5	-	1.3	2.4	-	7	130	141	15	18	-		168	2400
3	24	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	8
3	30	59	4.4	11.9	8.2	7.0	-	.8	1.8	-	7	116	144	10	12	-		166	-
4	7	59	7.4	10.8	8.0	1.9	7.9	1.1	5.6	-	8	117	147	20	9	-		167	840
4	14	59	5.9	12.2	8.2	1.2	4.8	.8	2.4	-	7	102	138	5	1	-		172	130
4	21	59	7.2	11.5	8.0	1.7	7.1	.7	2.4	-	6	116	138	20	14	-		171	-
4	28	59	9.3	11.0	8.0	1.8	8.0	.8	2.7	-	7	112	138	5	5	-		172	-
5	5	59	8.8	11.5	8.1	2.2	7.2	.8	1.9	-	6	113	136	10	1	-		169	-
5	12	59	11.4	10.9	8.0	6.9	11.2	.7	2.6	-	6	113	138	5	1	-		197	-
5	19	59	11.5	11.1	8.0	1.2	5.4	1.1	5.2	-	6	112	134	5	1	-		-	30
5	26	59	12.0	-	7.9	-	-	-	-	-	-	111	135	5	2	-		-	-
6	2	59	14.8	9.8	7.8	2.0	8.9	1.2	4.8	-	6	106	136	15	10	-		-	180
6	9	59	11.9	-	7.9	-	26.4	-	-	-	-	110	133	5	9	-		-	22
6	16	59	16.1	-	8.2	-	-	-	-	-	-	108	139	10	5	-		-	82
6	23	59	19.1	-	8.1	-	-	-	-	-	-	104	136	15	5	-		-	73
6	30	59	13.8	-	8.1	-	-	-	-	-	-	103	135	10	3	-		-	580
7	7	59	21.1	6.7	8.2	.2	7.1	1.3	-	-	7	107	135	5	3	-		171	22
7	14	59	13.4	12.1	8.3	3.1	-	.9	-	-	7	108	136	10	1	-		-	-
7	21	59	21.8	-	8.4	-	-	-	-	-	-	106	136	5	1	-		-	20
7	28	59	12.8	-	8.2	-	-	-	-	-	-	109	136	5	2	-		-	1600

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE INDIANA

MAJOR BASIN WESTERN GREAT LAKES

SUB BASIN ST. JOSEPH RIVER

STATION LOCATION LAKE MICHIGAN AT GARY, INDIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	4	59	12.8	-	8.3	-	-	-	-	-	-	111	136	5	3	-		-	10
8	11	59	20.0	9.1	8.3	-	-	-	-	-	6	109	135	10	3	-		168	920
8	18	59	13.3	-	8.3	-	-	-	-	-	-	109	136	5	1	-		-	40
8	25	59	13.0	-	8.2	-	-	-	-	-	-	108	136	5	1	-		-	-
9	1	59	20.4	-	8.3	-	-	-	-	-	-	103	136	5	4	-		-	310
9	8	59	13.2	9.1	8.2	1.8	2.8	.8	2.1	-	6	117	133	5	3	-		169	40
9	15	59	19.9	7.6	8.3	.6	3.7	.8	2.7	-	7	114	130	10	2	-		167	20
9	22	59	18.1	-	8.2	-	-	-	-	-	-	116	130	5	4	-		-	20
9	29	59	14.6	-	8.1	-	-	-	-	-	-	117	130	5	1	-		-	64

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: NEW YORK
MAJOR BASIN: NORTHEAST
SUB BASIN: LOWER HUDSON RIVER
STATION LOCATION: HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	19.1	-	7.3	-	-	-	-	-	6	54	80	-	17	-		-	-
10	13	58	18.1	-	7.3	-	-	-	-	-	6	54	76	-	17	-		-	-
10	20	58	16.5	-	7.3	-	-	-	-	-	6	52	78	-	13	-		-	-
10	27	58	14.5	-	7.3	-	-	-	-	-	6	54	76	-	15	-		-	-
11	3	58	11.5	-	7.3	-	-	-	-	-	6	50	72	-	15	-		-	-
11	10	58	9.9	-	7.3	-	-	-	-	-	6	54	78	-	17	-		-	-
11	17	58	10.4	-	7.3	-	-	-	-	-	6	54	76	-	17	-		-	-
11	24	58	8.5	-	7.1	-	-	-	-	-	6	50	72	-	17	-		-	-
12	1	58	6.9	-	7.1	-	-	-	-	-	5	52	84	-	13	-		-	-
12	8	58	4.0	-	7.3	-	-	-	-	-	6	52	82	-	14	-		-	-
12	15	58	1.5	-	7.2	-	18.1	-	-	-	6	52	90	-	12	-		-	-
12	22	58	1.0	-	7.2	-	-	-	-	-	6	54	88	-	9	-		-	-
12	29	58	1.1	-	7.4	-	-	-	-	-	6	54	90	-	11	-		-	-
1	7	59	1.1	-	7.2	-	-	-	-	-	6	56	90	-	6	-		-	-
1	14	59	.9	-	7.3	-	13.6	-	-	-	6	57	96	-	9	-		-	-
1	21	59	.8	-	7.3	-	-	-	-	-	6	57	96	-	8	-		-	-
1	28	59	.7	-	7.2	-	-	-	-	-	6	41	84	-	9	-		-	-
2	4	59	1.0	-	7.1	-	-	-	-	-	6	38	60	-	60	-		-	-
2	11	59	1.0	-	7.2	-	20.3	-	-	-	6	42	60	-	50	-		-	-
2	18	59	1.2	-	7.3	-	-	-	-	-	6	42	70	-	13	-		-	-
2	25	59	3.2	-	7.0	-	-	-	-	-	6	43	66	-	15	-		-	-
3	4	59	3.3	-	7.1	-	-	-	-	-	6	48	58	-	20	-		-	-
3	11	59	2.2	-	7.1	-	13.0	-	-	-	6	51	68	-	12	-		-	-
3	18	59	.9	-	7.1	-	-	-	-	-	6	38	52	-	50	-		-	-
3	25	59	3.5	-	7.4	-	-	-	-	-	6	44	60	-	50	33		-	-
4	1	59	3.9	-	7.4	-	-	-	-	-	6	45	66	-	40	12		-	-
4	8	59	6.5	-	7.4	-	17.2	-	-	-	6	46	64	-	60	18		-	-
4	15	59	7.2	-	7.3	-	-	-	-	-	6	43	62	-	25	28		-	-
4	22	59	8.8	10.6	7.3	1.7	14.5	-	-	-	6	42	64	10	25	33		-	-
4	29	59	16.1	9.0	7.2	1.3	21.7	-	-	.4	6	41	62	8	35	25		-	-
5	6	59	12.1	8.5	7.2	1.4	10.1	-	-	1.2	6	32	68	10	17	20		-	2900
5	13	59	15.5	7.7	7.3	1.3	14.4	-	-	1.2	6	36	54	15	12	25		-	400
5	20	59	16.1	7.1	7.3	1.4	12.4	-	-	.8	6	38	60	12	17	25		-	20000
5	27	59	18.1	8.1	7.5	-	11.1	-	-	.3	5	41	60	8	22	21		-	1200
6	3	59	17.5	6.5	7.3	-	10.1	-	-	.2	5	41	60	8	13	26		-	12000
6	10	59	22.4	4.4	7.1	1.7	16.6	-	-	1.0	6	43	62	8	15	25		-	1400
6	17	59	21.8	4.7	7.3	.6	12.6	-	-	.2	6	44	60	12	20	22		-	3100
6	24	59	22.0	3.8	7.3	1.5	12.3	-	-	.3	6	47	72	12	18	30		-	1800

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEW YORK

MAJOR BASIN NORTHEAST

SUB BASIN LOWER HUDSON RIVER

STATION LOCATION HUDSON RIVER BELOW POUGHKEEPSIE, NEW YORK

DATE OF SAMPLE			TEMP (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	1	59	23.0	3.7	7.2	1.1	18.1	.4	1.8	.3	6	46	68	8	15	20		-	7600
7	8	59	23.8	4.7	7.2	1.1	16.2	.5	2.6	.7	6	45	62	8	9	20		-	-
7	15	59	24.8	4.6	7.2	-	16.9	.1	1.8	.8	6	45	68	18	8	18		-	*1000
7	20	59	-	-	7.2	-	-	-	-	.8	6	45	62	19	9	18		-	-
7	27	59	-	-	7.2	-	-	-	-	.8	6	44	60	20	10	16		-	*100
8	5	59	25.8	4.6	7.2	1.3	16.9	.6	2.0	.3	6	42	68	18	16	21		-	500
8	12	59	25.6	4.1	7.3	-	17.0	.6	2.7	.3	6	45	70	18	8	20		-	100
8	18	59	25.6	-	7.3	-	19.4	-	-	-	6	45	68	16	8	-		-	*100
8	26	59	26.4	4.6	7.3	1.3	23.7	.7	2.9	.8	9	41	72	8	17	28		-	360
9	2	59	26.8	4.1	7.2	-	21.0	.7	3.2	7.5	12	46	68	8	14	28		102	*100
9	9	59	27.0	4.3	7.2	1.5	14.5	.4	2.9	.8	12	46	80	18	12	20		-	400
9	23	59	23.2	4.7	7.3	1.8	16.4	.6	3.2	.8	10	42	72	8	11	18		-	2900
9	30	59	23.2	5.0	7.3	1.4	20.4	1.1	3.4	1.7	14	46	68	12	16	28		-	18000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MASSACHUSETTS

MAJOR BASIN: NORTHEAST

SUB BASIN: MERRIMAC RIVER

STATION LOCATION: MERRIMAC RIVER ABOVE LOWELL, MASSACHUSETTS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	15.0	6.6	6.7	1.0	36.0	.9	9.5	2.7	13	15	26	47	6	11		80	-
2	25	59	1.0	10.7	6.3	4.0	18.4	.9	2.0	1.5	11	10	20	35	5	10		74	-
3	11	59	1.0	12.1	6.3	4.1	2.4	.8	3.2	1.5	10	6	14	38	14	10		67	-
3	24	59	4.0	12.1	6.3	3.4	30.4	.8	3.0	.7	-	7	-	48	37	7		55	-
3	30	59	5.0	12.6	6.5	2.3	21.2	1.0	6.0	.6	5	7	12	44	31	8		60	-
4	7	59	6.0	12.0	6.3	2.2	40.8	4.3	12.3	.8	4	4	12	40	80	6		56	-
4	15	59	7.0	11.5	6.5	2.3	16.0	1.4	12.4	.2	4	2	10	32	34	7		43	-
4	22	59	4.5	10.8	6.5	1.7	13.6	1.2	5.6	.2	4	5	12	30	17	7		41	-
4	29	59	10.0	10.2	6.7	1.7	9.6	1.2	3.9	.3	7	5	18	36	8	8		56	-
5	6	59	13.0	9.1	6.5	1.7	16.0	2.4	9.6	.6	7	7	14	38	10	8		45	-
5	13	59	16.0	8.1	6.7	1.1	24.0	4.0	7.2	.6	6	9	26	45	30	10		60	-
5	20	59	16.0	9.9	6.5	.6	18.0	1.7	8.6	.9	6	19	36	45	15	18		57	-
5	27	59	13.0	7.8	6.7	2.0	18.0	1.1	6.6	.5	9	9	14	42	7	10		53	*8
6	1	59	16.0	6.6	6.7	2.2	17.6	1.0	7.0	1.2	10	11	16	43	8	10		56	2700
6	8	59	19.0	6.0	6.5	.7	19.2	1.8	5.6	1.5	10	10	17	45	8	10		67	1000
6	15	59	18.0	7.4	6.8	3.0	18.2	1.0	7.0	1.0	11	13	18	50	7	11		69	2000
6	22	59	17.0	6.2	6.5	1.9	16.4	1.0	5.9	1.1	8	9	20	60	6	10		74	3100
6	27	59	18.0	5.4	6.4	.5	16.0	1.9	7.5	2.1	8	5	16	50	7	10		66	110
7	3	59	22.0	8.6	6.0	4.9	20.8	2.7	5.4	.6	10	15	22	60	32	10		72	-
7	6	59	20.0	7.5	6.5	1.2	28.0	1.5	5.0	.7	7	8	16	60	11	8		55	*80
7	13	59	21.0	7.7	6.6	.9	21.6	1.0	5.0	1.4	7	14	20	55	9	8		55	*77
7	20	59	21.0	6.9	6.6	1.6	22.4	2.5	11.0	1.6	9	15	22	60	8	10		75	*80
7	27	59	21.0	7.5	6.8	1.0	24.8	2.0	12.0	.8	7	14	18	80	20	10		76	-
8	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	330
8	10	59	20.0	8.0	6.8	3.3	29.5	1.0	13.0	2.4	13	18	26	80	12	10		79	110
8	17	59	23.0	7.8	6.8	2.0	24.2	2.7	13.0	1.4	13	17	24	50	15	10		90	*77
8	24	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2100
8	31	59	23.0	3.6	6.7	2.7	36.0	1.9	4.7	4.7	8	18	32	85	5	15		109	*77
9	8	59	22.0	8.0	6.6	1.9	24.2	2.0	12.5	1.6	6	12	16	60	20	9		58	3500
9	14	59	19.0	6.2	6.4	1.8	18.4	1.3	13.0	2.9	11	16	30	70	15	12		76	420
9	21	59	16.0	5.5	6.5	2.0	52.0	2.0	6.5	4.2	11	17	28	70	21	8		95	110
9	28	59	19.0	5.7	6.7	3.1	18.4	1.0	10.0	3.3	9	15	32	50	8	15		86	1700

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	2	58	-	-	7.9	-	13.7	2.4	10.8	2.6	27	108	139	15	455	42		221	1500
10	9	58	-	-	8.0	-	10.0	2.0	9.4	3.2	25	101	133	15	268	40		218	500
10	16	58	-	-	7.9	-	4.5	1.7	7.1	3.0	22	108	139	15	170	45		216	500
10	23	58	-	-	7.7	-	5.4	2.4	8.6	3.6	23	115	147	15	150	45		233	3200
10	30	58	-	-	7.9	-	4.8	2.0	6.4	3.2	23	124	155	15	54	56		247	330
11	6	58	-	-	8.6	-	4.7	2.3	4.7	2.2	28	130	168	15	52	57		266	1600
11	13	58	-	-	8.2	-	4.1	2.6	4.7	1.8	29	135	173	15	34	57		276	-
11	20	58	-	-	8.2	1.4	4.0	2.6	5.1	1.6	29	146	184	15	44	66		303	380
11	26	58	-	-	8.0	1.4	8.4	2.6	5.5	1.6	32	145	184	15	34	65		306	-
12	4	58	-	-	8.1	1.7	12.6	3.6	11.1	1.6	23	111	139	15	132	53		236	360
12	8	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1100
12	11	58	-	-	8.1	1.6	12.4	3.3	12.2	1.6	28	109	157	15	197	57		246	-
12	18	58	-	-	8.8	2.3	11.0	3.0	10.9	1.4	30	111	149	15	107	49		232	-
12	29	58	-	-	8.7	2.1	8.1	3.6	9.0	3.2	32	115	173	15	36	66		281	-
1	2	59	-	-	8.5	2.5	11.9	2.4	9.1	3.4	32	124	168	15	38	55		270	-
1	9	59	-	-	8.4	2.4	10.5	4.0	10.2	3.2	35	146	187	15	38	46		288	400
1	15	59	-	-	8.0	2.3	8.3	3.8	9.6	3.2	28	150	184	15	52	45		268	180
1	22	59	-	-	8.0	-	13.0	5.5	11.3	3.6	34	129	176	15	91	58		267	230
1	29	59	-	-	7.9	2.5	17.0	5.4	14.1	3.4	30	113	153	15	248	48		242	300
2	5	59	-	-	7.8	3.0	34.4	6.2	18.7	.8	22	78	107	15	535	36		170	-
2	12	59	-	-	8.6	1.7	26.9	3.8	15.4	1.6	17	73	107	15	620	37		174	490
2	19	59	4.5	-	8.4	3.6	16.4	4.2	16.6	2.3	17	75	109	15	363	34		166	700
2	26	59	7.8	9.0	8.0	2.2	32.1	2.3	8.6	1.8	18	79	115	15	465	38		179	4100
3	5	59	-	9.2	7.6	2.4	21.4	2.1	6.7	2.8	17	75	107	15	535	36		167	3600
3	13	59	-	9.0	7.7	1.7	16.8	2.4	7.1	2.4	19	78	112	15	230	36		176	400
3	19	59	7.8	8.7	7.7	1.5	18.8	1.7	5.2	3.2	21	91	124	15	250	42		199	360
3	26	59	-	8.4	8.1	1.4	26.6	2.0	4.8	1.8	19	90	130	15	250	42		205	-
4	2	59	-	8.1	8.0	.8	17.0	2.2	4.6	1.0	22	93	130	15	215	46		213	-
4	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	44
4	9	59	8.0	7.3	7.8	1.2	22.7	1.8	5.6	1.2	18	94	132	15	230	43		207	-
4	13	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	800
4	16	59	7.8	7.0	7.7	.5	30.3	.6	3.4	1.2	16	100	135	15	555	42		200	-
4	23	59	7.0	7.2	7.9	.8	22.5	1.4	3.9	1.4	26	100	141	15	285	45		224	66
4	30	59	8.0	7.4	8.3	.6	17.8	1.4	4.5	.8	26	98	138	15	180	44		217	1000
5	7	59	14.0	6.9	7.8	.4	18.6	1.4	3.9	1.0	18	96	127	15	145	43		201	670
5	14	59	16.0	6.2	7.8	.7	23.6	1.2	2.6	5.4	18	109	138	15	250	44		217	1400
5	21	59	14.0	6.2	7.9	1.6	14.0	1.3	4.6	1.0	20	111	154	15	130	54		245	1200
5	25	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2900
5	28	59	16.0	5.9	7.9	.4	29.4	.5	2.2	1.0	26	111	154	15	395	55		241	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-NATCHEZ TO GULF

STATION LOCATION MISSISSIPPI RIVER AT NEW ORLEANS, LOUISIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	1	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1200
6	4	59	-	-	7.8	.6	29.6	1.0	1.7	1.6	25	107	143	15	495	51		238	-
6	8	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2300
6	12	59	16.0	5.7	7.7	.5	28.3	1.2	2.3	1.2	24	104	141	15	555	45		227	-
6	15	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1500
6	18	59	28.0	5.4	8.2	.5	39.4	.8	2.1	1.6	22	111	149	15	700	49		244	-
6	25	59	28.0	5.3	8.0	.5	35.5	.6	1.4	1.0	23	104	141	15	395	42		226	-
6	29	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1300
7	2	59	29.0	5.5	7.7	.0	21.8	1.0	2.5	1.2	22	112	149	15	200	39		230	-
7	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	250
7	9	59	28.0	5.5	8.6	.8	14.6	1.0	2.5	1.6	25	135	170	15	73	43		253	-
7	16	59	29.0	6.2	8.1	1.2	17.4	1.6	2.9	1.6	34	131	149	15	90	53		285	330
7	23	59	29.0	5.7	7.9	.5	13.7	1.0	2.6	1.8	29	138	155	15	60	57		288	-
7	30	59	29.0	5.6	8.1	.4	25.0	1.2	2.0	1.6	27	124	141	15	320	47		255	1100
8	8	59	28.0	5.2	7.8	.2	24.0	.6	1.4	1.2	23	104	115	15	475	34		199	1800
8	13	59	31.0	5.0	7.7	.1	21.0	.8	1.7	1.6	25	104	115	15	230	38		207	470
8	20	59	30.0	5.4	8.1	.4	19.4	.6	1.4	1.8	27	119	141	15	195	55		269	320
8	27	59	28.0	6.1	8.2	.3	12.3	.2	2.1	1.0	29	121	141	15	93	59		261	330
9	3	59	26.0	5.5	8.1	.4	18.3	.8	1.5	1.6	27	112	131	15	150	44		236	360
9	10	59	28.0	5.4	7.9	.7	9.6	.8	1.7	1.2	33	110	128	15	90	48		243	960
9	17	59	29.0	6.7	8.1	.7	6.8	.9	2.5	1.8	28	122	136	15	83	55		272	1100
9	24	59	27.0	6.7	8.0	.3	8.8	1.0	3.2	1.8	34	126	152	15	50	56		281	530

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MISSISSIPPI

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER MISSISSIPPI-YAZOO RIVERS

STATION LOCATION: MISSISSIPPI RIVER AT VICKSBURG, MISSISSIPPI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	28.1	5.8	6.6	1.1	12.1	2.7	7.9	.4	17	81	80	-	240	34		142	-
10	20	58	24.8	7.6	7.6	.8	23.0	.7	8.7	.6	19	116	168	-	168	60		270	-
10	27	58	22.9	7.8	7.3	1.6	22.1	2.1	10.6	.8	22	122	172	-	240	60		291	-
11	3	58	18.1	8.4	7.8	1.6	19.4	1.4	7.4	.5	14	81	112	-	190	62		321	#1
11	10	58	15.0	9.0	8.2	1.7	18.1	1.6	7.4	.6	23	132	172	-	110	63		295	-
11	17	58	16.9	8.8	7.4	1.6	12.0	.9	6.2	.6	23	136	184	-	105	64		326	-
11	24	58	16.0	9.1	7.4	1.8	12.8	1.1	6.8	.6	22	139	179	-	220	54		281	-
12	1	58	10.8	9.6	7.4	1.9	18.1	.9	6.4	.4	23	141	175	-	250	56		290	-
12	8	58	8.0	9.8	7.5	1.7	21.4	1.1	6.8	.4	23	139	171	-	-	52		280	-
12	15	58	3.8	11.6	7.5	1.4	19.9	.4	6.1	.4	23	134	165	-	125	55		256	-
12	29	58	5.0	11.1	7.3	1.4	20.1	.5	5.8	.6	22	136	161	-	120	53		310	-
1	5	59	3.8	11.7	7.3	1.2	15.1	1.7	7.1	.4	16	136	178	-	95	48		162	540
1	13	59	4.5	11.1	7.3	1.4	13.5	1.5	6.9	.4	22	132	174	-	120	58		184	-
1	20	59	6.0	10.4	7.3	1.5	14.6	1.6	6.9	.4	22	135	163	-	140	55		201	-
1	26	59	6.0	10.4	7.3	1.5	14.3	1.1	7.0	.4	22	138	161	-	240	60		215	-
3	9	59	8.0	9.4	7.2	3.2	22.1	1.1	6.4	.6	12	82	82	-	340	37		211	-
3	16	59	8.5	9.1	7.4	3.4	8.4	1.5	6.6	.8	14	77	84	-	325	41		215	-
3	23	59	8.8	8.9	7.3	3.2	4.6	1.2	5.8	.7	18	82	91	-	310	39		220	-
3	30	59	8.8	8.6	7.4	2.8	5.4	1.4	5.8	.8	22	80	90	-	275	40		190	-
4	6	59	14.2	7.8	7.4	1.6	4.4	1.4	6.1	.6	21	79	95	-	290	38		205	-
4	13	59	15.5	7.8	7.2	1.5	3.1	.9	4.9	.8	22	81	84	-	350	35		215	-
4	20	59	17.2	7.6	7.4	1.5	3.4	.8	3.9	.6	22	84	86	-	205	27		210	-
4	27	59	18.6	7.4	7.4	1.6	3.3	1.2	4.4	.6	22	82	84	-	150	27		185	-
5	4	59	20.0	7.4	7.3	1.8	3.2	.9	3.8	.8	22	86	94	-	240	41		227	-
5	11	59	22.5	7.2	7.4	1.4	4.2	1.1	3.7	.8	22	84	102	-	250	52		221	96
5	18	59	23.1	7.1	7.4	1.2	4.1	1.1	3.9	.8	22	86	100	-	280	48		215	-
5	25	59	25.0	5.8	7.4	1.2	3.9	.9	3.8	.8	22	92	98	-	300	49		220	1200
6	1	59	25.0	6.7	7.4	1.2	3.8	1.2	4.1	.8	22	102	151	-	300	53		215	17000
6	8	59	24.8	4.6	7.4	1.1	3.8	1.4	3.8	.8	22	102	150	-	280	52		205	37000
6	15	59	25.1	3.8	7.4	1.2	4.2	1.3	4.1	.8	22	100	145	-	280	51		195	35000
6	22	59	26.2	4.4	7.3	1.1	6.2	.8	3.1	.6	17	88	141	-	270	44		190	-
6	29	59	26.4	5.2	7.4	1.4	6.1	.8	3.4	.8	17	91	134	-	250	38		188	-
7	6	59	27.5	6.2	7.4	1.4	8.2	1.2	4.1	.8	21	91	135	-	240	35		210	11000
7	13	59	27.8	6.8	7.3	1.1	9.8	.8	3.6	.8	21	100	132	-	270	39		205	1000
7	20	59	29.4	6.6	7.4	1.4	12.2	1.1	4.0	.3	16	88	124	-	280	44		214	11000
7	27	59	30.1	6.8	7.2	.8	12.4	1.1	4.2	.3	19	94	105	-	240	36		215	60000
8	3	59	29.8	6.8	7.2	.8	14.6	.9	3.4	.5	21	82	94	-	210	34		185	-
8	10	59	30.1	6.8	7.4	1.1	9.9	1.1	4.0	.4	18	94	104	-	240	41		208	-
8	17	59	30.4	6.8	7.3	1.6	12.4	1.6	3.4	.6	21	100	124	-	240	38		105	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MISSISSIPPI
MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER
SUB BASIN: LOWER MISSISSIPPI-YAZOO RIVERS
STATION LOCATION: MISSISSIPPI RIVER AT VICKSBURG, MISSISSIPPI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	24	59	30.4	6.6	7.3	1.2	11.2	1.1	3.9	.8	20	94	124	-	210	36		210	-
8	31	59	29.4	6.4	7.3	1.7	11.2	.6	4.1	.8	21	94	124	-	205	41		188	-
9	8	59	29.8	6.4	7.4	2.1	12.5	1.4	3.2	.6	20	95	123	-	240	39		216	-
9	14	59	29.4	6.6	7.5	1.5	14.1	1.3	3.7	.8	22	94	121	-	245	41		194	-
9	21	59	28.8	6.8	7.3	2.1	14.8	1.4	.6	.8	19	94	117	-	220	48		210	-
9	28	59	27.4	6.6	7.3	1.7	13.2	1.2	1.0	.8	24	104	128	-	250	50		205	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: ARKANSAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION: MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	20.1	7.7	7.8	.6	-	1.1	3.2	.2	14	108	154	5	260	39		302	28000
10	13	58	21.0	7.3	7.8	.7	11.2	1.4	3.7	.2	12	110	164	7	190	41		242	54000
10	20	58	19.2	7.7	7.8	.8	8.0	1.3	3.5	.1	13	104	172	7	210	50		270	28000
10	27	58	17.3	8.0	7.9	1.5	15.4	1.6	2.4	.3	15	116	176	10	145	63		204	17000
11	3	58	15.2	9.1	7.7	1.1	-	1.5	2.4	.3	17	114	172	3	20	53		274	20000
11	10	58	13.5	9.6	7.6	1.6	13.3	1.3	4.3	.3	17	112	174	10	140	66		304	2400
11	17	58	17.0	9.1	7.6	1.1	11.5	1.4	5.8	.2	21	132	190	7	100	81		298	9000
11	24	58	14.1	8.4	7.5	1.5	16.5	1.6	5.3	.2	19	104	160	15	200	34		246	9000
12	1	58	9.2	9.9	7.5	2.1	12.7	1.2	5.4	.2	20	104	154	20	320	41		218	11000
12	8	58	7.8	10.2	7.5	1.5	12.6	1.1	5.7	.1	22	102	166	15	75	47		262	39000
12	15	58	3.2	11.5	7.5	-	11.6	1.3	5.4	.1	24	98	176	15	50	59		295	-
12	22	58	4.0	12.5	7.5	1.0	12.7	.6	3.1	.1	20	122	172	15	70	33		272	-
12	29	58	4.4	12.4	7.5	-	12.7	-	-	.2	19	122	172	10	25	39		260	-
1	5	59	2.2	12.8	7.6	-	12.8	1.7	3.9	.1	21	122	174	7	20	44		246	3600
1	12	59	2.4	12.9	7.5	.5	11.8	.6	3.5	.1	20	100	164	7	80	60		264	9400
1	19	59	3.9	12.6	7.5	1.4	14.1	.3	1.4	.3	17	94	142	25	120	58		226	10000
1	26	59	4.1	11.8	7.4	1.5	19.7	.3	.9	.1	19	76	128	17	700	36		198	5400
2	2	59	3.9	11.9	7.5	1.0	18.5	.6	2.1	.2	10	60	102	20	550	36		172	12000
2	9	59	4.8	10.6	7.3	.9	16.3	.9	4.5	.3	11	52	102	20	230	31		200	21000
2	16	59	5.5	10.3	7.5	1.5	23.3	.4	1.0	.4	13	90	144	15	550	45		230	13000
2	23	59	6.1	10.5	7.5	-	37.5	-	-	2.6	10	56	102	12	410	34		178	5300
3	2	59	6.2	10.4	7.5	.8	20.9	.3	.6	1.9	8	62	106	17	230	26		158	4200
3	9	59	7.6	9.7	7.5	1.2	27.4	.3	.6	3.6	6	90	130	17	230	37		206	-
3	16	59	7.8	10.8	7.5	2.6	26.2	.1	.5	3.9	12	82	141	17	275	41		198	-
3	23	59	8.4	10.4	7.5	1.8	25.4	.0	.5	3.6	11	90	144	17	180	40		226	4200
3	30	59	10.6	9.4	7.5	2.3	30.6	.3	.5	4.2	11	98	148	18	330	34		214	8600
4	6	59	13.4	8.5	7.4	2.7	35.4	.2	.8	2.8	11	100	146	17	500	40		278	35000
4	13	59	12.8	8.2	7.4	2.0	27.7	.9	1.4	1.6	10	90	137	14	350	39		222	2200
4	20	59	14.9	8.4	7.4	1.4	30.3	.6	.8	2.5	10	78	138	12	230	43		212	7200
4	27	59	15.5	8.4	7.5	1.2	25.5	.8	1.1	1.0	10	82	130	10	170	39		196	4500
5	4	59	19.1	7.5	7.5	1.3	26.7	.4	.7	.9	10	98	140	14	370	42		220	14000
5	11	59	20.6	7.0	7.6	.7	22.5	.4	.7	.1	10	78	138	12	200	47		260	4400
5	18	59	21.1	7.1	7.5	2.1	28.7	.4	1.5	.6	12	91	155	13	500	46		264	19000
5	25	59	22.2	6.8	7.5	1.3	22.0	.6	.8	.9	10	85	150	16	380	39		250	11000
6	1	59	23.5	5.7	7.5	.7	50.6	.5	.7	.6	11	83	142	13	655	35		228	56000
6	8	59	25.1	5.9	7.7	1.1	38.0	.6	.8	.9	11	90	154	17	850	41		242	13000
6	15	59	25.2	6.3	7.8	1.0	46.7	.4	.6	1.0	12	86	144	17	950	36		220	23000
6	22	59	26.7	6.3	7.8	2.2	23.6	.5	.8	1.7	11	114	159	13	360	41		270	42000
6	29	59	28.0	6.5	7.8	1.0	12.5	.5	1.5	.3	14	118	158	15	240	49		182	12000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ARKANSAS

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER MISSISSIPPI-CAIRO TO HELENA

STATION LOCATION MISSISSIPPI RIVER AT WEST MEMPHIS, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	28.0	6.5	7.9	1.1	16.0	1.3	3.0	1.3	16	72	166	13	120	56		270	39000
7	13	59	27.8	6.0	7.9	.9	37.2	1.1	2.3	1.4	13	74	164	13	850	81		256	19000
7	20	59	28.1	5.9	7.9	2.4	62.7	1.7	3.6	2.5	10	62	141	16	1200	37		230	9200
7	27	59	27.0	6.0	8.0	.9	33.2	1.6	3.6	1.3	10	103	138	13	650	47		256	8000
8	3	59	30.0	5.5	8.0	-	18.5	1.6	3.6	1.8	14	93	145	8	155	49		240	39000
8	10	59	28.6	6.5	8.0	.9	-	1.3	2.9	1.3	26	104	166	7	120	56		286	27000
8	17	59	27.1	6.5	7.8	.8	31.2	1.0	2.6	1.2	16	106	146	16	600	59		268	-
8	24	59	28.9	5.8	7.7	.8	16.5	1.3	3.0	1.3	13	80	124	12	420	46		212	-
8	31	59	28.8	6.6	7.9	.7	20.0	1.5	3.5	1.3	11	104	140	13	170	53		260	19000
9	8	59	29.1	6.5	7.9	.6	13.0	1.7	4.1	1.1	14	108	148	13	110	56		254	25000
9	14	59	24.5	7.0	8.0	.8	16.5	1.4	3.4	1.2	14	110	158	12	180	62		266	36000
9	21	59	24.3	7.1	7.9	.8	19.3	1.2	2.9	1.2	14	116	156	13	150	48		264	28000
9	28	59	24.3	6.7	7.9	.5	13.6	1.3	2.9	1.0	16	130	178	10	70	69		306	24000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MISSOURI
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: MISSISSIPPI-CAPE GIRARDEAU AREA
STATION LOCATION: MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	19.0	-	7.7	-	80.0	-	-	-	-	112	200	-	500	-		-	-
10	13	58	19.0	-	7.8	-		-	-	-	15	124	228	-	220	-		-	-
10	20	58	19.0	-	7.7	-		-	-	-	14	124	210	-	340	-		-	-
10	27	58	17.0	-	7.9	-		-	-	-	16	104	230	-	140	-		-	-
11	3	58	14.5	-	7.9	-		-	-	-	18	140	250	15	140	136		284	-
11	10	58	12.0	-	7.9	-	27.0	-	-	-	25	166	220	-	140	-		-	-
11	17	58	13.0	-	7.7	-		-	-	-	25	94	196	20	220	84		216	-
11	24	58	13.0	-	7.7	-		-	-	-	25	136	170	15	460	64		256	-
12	1	58	7.0	-	7.9	-		-	-	-	20	136	168	-	300	-		-	-
12	8	58	5.5	-	7.7	-	18.9	-	-	-	25	122	212	-	140	-		-	-
12	15	58	3.0	-	7.7	-		-	-	-	29	186	228	-	120	-		-	-
12	22	58	4.0	-	7.7	-		-	-	-	28	182	224	-	120	-		-	-
12	29	58	5.0	-	7.7	-		-	-	-	31	202	246	15	65	142		346	-
1	5	59	3.0	-	7.7	-		-	-	-	29	170	230	-	120	-		-	-
1	12	59	3.0	-	7.7	-	19.1	-	-	-	30	180	228	-	120	-		-	-
1	19	59	2.5	-	7.7	-		-	-	-	30	174	224	-	120	-		-	-
1	26	59	3.0	-	7.7	-		-	-	-	32	150	226	-	120	-		-	-
2	2	59	3.0	-	7.7	-		-	-	-	22	148	178	-	120	-		-	-
2	9	59	3.0	-	7.7	-	44.2	-	-	-	27	116	170	-	140	-		-	-
2	16	59	3.0	-	7.5	-		-	-	-	22	90	136	22	860	92		260	-
2	24	59	4.0	-	7.7	-		-	-	-	15	96	140	-	420	-		-	-
3	2	59	7.0	-	7.5	-		-	-	-	17	78	142	-	220	-		-	-
3	9	59	6.0	-	7.5	-	41.0	-	-	-	19	86	126	-	260	-		-	-
3	16	59	6.0	-	7.5	-		-	-	-	15	92	124	-	260	-		-	-
3	22	59	8.0	-	7.7	-		-	-	-	16	120	170	-	300	-		-	-
3	30	59	9.0	-	7.5	-		-	-	-	15	120	160	-	460	-		-	-
4	6	59	10.0	-	7.7	-		-	-	-	15	110	170	-	640	-		-	-
4	13	59	10.5	-	7.5	-		-	-	-	14	94	152	-	380	-		-	-
4	20	59	14.0	-	7.7	-		-	-	-	15	120	180	-	220	-		-	-
4	27	59	15.0	-	7.7	-		-	-	-	15	122	178	-	540	-		-	-
5	4	59	18.0	-	7.7	-		-	-	-	17	132	178	-	260	-		-	-
5	11	59	21.0	-	7.7	-	40.9	-	-	-	20	132	186	-	300	-		-	-
5	18	59	19.0	-	7.7	-		-	-	-	16	130	170	-	1080	-		-	-
5	25	59	22.0	-	7.7	-		-	-	-	15	110	186	-	540	-		-	-
6	1	59	23.0	-	7.7	-		-	-	-	18	126	166	-	760	-		-	-
6	8	59	23.5	-	7.7	-	93.0	-	-	-	13	108	142	-	1720	-		-	-
6	15	59	25.0	-	7.8	-		-	-	-	17	134	172	-	640	-		-	-
6	22	59	26.5	-	7.7	-		-	-	-	21	154	188	-	220	-		-	-
6	29	59	28.0	-	7.8	-		-	-	-	28	150	206	-	220	-		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MISSOURI

MAJOR BASIN: UPPER MISSISSIPPI RIVER

SUB BASIN: MISSISSIPPI-CAPE GIRARDEAU AREA

STATION LOCATION: MISSISSIPPI RIVER AT CAPE GIRARDEAU, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	27.0	-	7.9	-	-	-	-	-	19	146	162	-	340	-		-	-
7	13	59	26.0	-	7.9	-	72.9	-	-	-	18	114	152	-	1260	-		-	-
7	20	59	27.0	-	7.7	-	-	-	-	-	16	130	180	-	500	-		-	-
7	27	59	27.5	-	7.7	-	-	-	-	-	20	130	200	-	380	-		-	-
8	3	59	28.5	-	7.7	-	-	-	-	-	24	152	200	-	180	-		-	-
8	10	59	27.0	-	7.7	-	36.8	-	-	-	19	142	188	-	380	-		-	-
8	17	59	28.0	-	7.7	-	-	-	-	-	15	98	126	-	1000	-		-	-
8	24	59	29.0	-	7.8	-	-	-	-	-	24	128	170	-	300	-		-	-
8	31	59	29.0	-	7.7	-	-	-	-	-	21	140	186	-	220	-		-	-
9	8	59	28.0	-	7.7	-	-	-	-	-	20	138	188	-	340	-		-	-
9	14	59	23.0	-	7.7	-	-	-	-	-	20	140	192	-	220	-		-	-
9	21	59	22.0	-	7.8	-	-	-	-	-	24	158	200	-	140	-		-	-
9	28	59	23.0	-	7.7	-	-	-	-	-	18	138	184	-	260	-		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	18.5	-	7.9	-	-	3.8	10.3	-	15	150	178	32	140	60		274	5800
10	13	58	18.0	-	7.8	-	-	3.2	10.4	1.9	15	136	166	29	250	50		267	8000
10	20	58	18.0	-	7.8	-	19.3	3.8	13.0	2.4	19	156	192	27	115	70		287	11000
10	27	58	15.5	-	7.8	-	-	3.8	8.7	2.5	18	162	192	30	75	65		267	4300
11	3	58	13.6	-	7.8	-	-	4.1	10.8	2.3	18	158	178	30	70	65		274	13300
11	10	58	12.0	-	7.8	-	-	4.2	9.4	4.2	17	158	184	33	100	68		234	19300
11	17	58	13.1	-	8.0	-	18.6	3.9	10.3	2.9	18	158	182	34	140	65		267	68000
11	24	58	12.0	-	7.7	-	-	3.8	11.2	3.7	15	140	166	43	150	60		233	-
12	1	58	6.0	-	7.8	-	-	4.7	11.9	4.7	17	146	192	60	60	66		270	5300
12	8	58	3.5	-	7.7	-	-	3.8	9.6	6.0	18	164	192	50	40	68		262	7800
12	15	58	1.0	-	7.9	-	21.7	5.4	12.6	5.0	18	146	200	30	50	70		243	-
12	22	58	1.0	-	8.0	-	-	5.8	12.9	6.7	17	164	200	35	50	72		233	-
12	29	58	1.7	-	8.3	-	-	5.5	12.6	6.1	18	182	218	30	60	68		276	-
1	5	59	.8	10.6	8.2	1.9	-	9.2	13.0	8.0	20	174	208	35	50	58		276	3800
1	12	59	1.5	12.5	8.0	4.5	23.9	7.1	14.1	8.0	19	174	200	35	47	55		250	6500
1	19	59	.6	10.8	7.8	2.4	-	9.1	14.7	10.5	28	194	224	33	55	67		343	5100
1	26	59	.5	13.2	7.6	4.5	-	10.1	14.8	10.2	19	172	196	37	45	50		281	7000
2	2	59	.3	12.6	7.5	-	-	10.8	15.0	11.4	24	162	188	33	25	55		298	5100
2	9	59	1.8	12.5	7.4	3.1	-	9.4	16.6	10.0	22	158	184	34	35	51		256	2200
2	16	59	.8	11.1	7.3	7.8	39.7	9.0	15.9	9.7	11	82	96	35	450	33		131	7800
2	24	59	1.0	9.7	7.5	7.7	-	13.2	16.4	13.0	16	106	128	40	225	44		196	7400
3	2	59	2.5	8.3	7.2	5.8	-	14.2	16.9	10.0	15	104	132	38	200	41		199	16000
3	9	59	3.2	9.2	7.5	6.5	26.4	14.5	17.1	13.0	16	118	140	36	225	50		212	5800
3	16	59	4.2	10.1	7.6	4.4	-	12.2	16.0	12.0	17	130	164	35	200	53		250	2300
3	23	59	4.3	10.8	7.6	5.0	-	11.2	17.0	10.5	15	140	184	35	275	59		260	4500
3	30	59	7.1	7.3	7.6	4.9	-	11.3	16.8	9.9	15	128	160	30	550	48		225	-
4	6	59	9.3	6.0	7.3	3.7	-	10.3	16.4	9.4	15	124	164	30	520	46		226	5100
4	13	59	9.1	7.6	7.4	2.5	38.7	5.2	12.2	6.5	14	128	172	32	425	54		249	5900
4	20	59	12.2	8.4	7.7	2.0	-	3.7	8.4	2.5	18	160	204	33	150	75		297	2000
4	27	59	13.5	7.5	7.6	2.0	-	2.7	9.5	2.7	18	148	198	28	150	71		269	2100
5	4	59	17.5	6.4	7.6	2.2	-	2.7	11.4	2.5	17	154	194	26	300	70		281	3000
5	11	59	24.5	-	7.6	-	26.3	2.4	14.4	2.5	17	136	186	34	1000	68		267	9700
5	18	59	17.5	6.8	7.6	4.2	-	2.7	12.4	1.5	18	150	192	20	400	56		269	3300
5	25	59	20.2	5.5	7.5	2.5	-	2.4	13.0	1.6	15	140	184	30	800	63		241	8000
6	1	59	23.2	5.3	7.5	2.5	-	-	-	1.5	16	140	200	30	650	67		225	2300
6	8	59	23.5	-	7.6	-	32.3	2.8	16.3	1.4	14	146	168	28	500	57		233	5800
6	15	59	24.8	6.6	7.7	1.8	-	2.2	13.8	1.2	13	160	192	29	225	56		240	4800
6	22	59	25.5	6.3	7.9	2.2	-	2.6	11.0	1.3	17	176	204	27	110	70		314	13000
6	29	59	26.9	6.5	8.0	2.0	-	2.0	11.2	1.4	15	172	212	25	65	51		289	2600

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ILLINOIS

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI RIVER-ST. LOUIS AREA

STATION LOCATION MISSISSIPPI RIVER AT EAST ST. LOUIS, ILLINOIS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	25.9	5.7	7.7	1.7	-	-	-	1.3	16	144	184	22	175	47		258	11000
7	13	59	26.0	6.2	7.8	2.1	23.6	-	-	.5	14	122	144	33	400	44		223	13000
7	20	59	26.5	6.0	7.7	2.8	-	-	-	.5	13	148	174	23	100	46		242	21000
7	27	59	26.8	6.5	7.9	2.9	-	-	-	.4	15	154	182	27	50	51		279	36000
8	3	59	33.5	6.2	7.9	3.0	-	-	-	3.5	22	150	208	23	35	54		300	8300
8	10	59	25.5	6.1	7.5	3.6	-	-	-	1.8	18	128	172	20	450	50		286	11000
8	17	59	26.3	5.7	7.5	3.2	-	2.4	9.2	1.8	14	98	128	24	300	48		198	-
8	24	59	25.5	6.4	7.8	3.5	-	2.4	8.2	1.2	15	130	156	25	160	48		250	14000
8	31	59	28.1	6.5	7.4	2.3	-	2.6	7.2	.8	17	148	176	25	90	40		264	10000
9	8	59	27.0	6.8	7.6	2.8	-	2.4	7.8	1.5	14	134	164	23	100	46		250	920
9	14	59	23.2	7.0	7.7	2.6	-	2.8	8.4	1.5	14	132	164	22	88	46		262	15000
9	21	59	21.4	7.6	7.7	1.8	-	-	-	1.2	14	134	168	25	125	42		254	24000
9	28	59	22.0	8.0	7.7	2.1	-	-	-	1.0	16	128	156	27	200	44		233	21000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE IOWA

MAJOR BASIN UPPER MISSISSIPPI RIVER

SUB BASIN MISSISSIPPI-DES MOINES-SKUNK RIVERS

STATION LOCATION MISSISSIPPI RIVER AT BURLINGTON, IOWA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	17.5	-	7.7	-	-	-	-	.1	9	124	162	65	42	-		-	930
10	13	58	16.5	-	7.7	-	-	-	-	.1	9	124	152	80	42	-		-	6600
10	20	58	18.0	-	7.8	-	-	-	-	.1	9	128	158	65	30	-		-	2500
10	27	58	16.5	-	7.9	-	-	-	-	.1	10	130	164	70	22	-		-	1600
11	3	58	13.5	-	7.7	-	-	-	-	.1	10	128	156	65	27	-		-	2200
11	10	58	9.5	-	7.7	-	-	-	-	.1	10	134	170	60	26	-		-	-
11	17	58	13.0	-	7.9	-	-	-	-	.1	10	136	158	60	15	-		-	1200
11	24	58	8.0	-	7.9	-	-	-	-	.1	10	138	160	70	32	-		-	7500
12	1	58	1.0	-	7.7	-	-	-	-	.1	10	138	160	70	36	-		-	-
12	8	58	1.0	-	7.7	-	-	-	-	.1	10	142	172	70	29	-		-	730
12	15	58	1.0	-	7.9	-	-	-	-	.1	10	148	180	60	20	-		-	-
12	22	58	1.0	-	7.9	-	-	-	-	.1	10	148	176	50	11	-		-	-
12	29	58	1.5	-	7.8	-	-	-	-	.1	10	156	174	65	7	-		-	-
1	5	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2300
1	12	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	3600
1	19	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2100
1	26	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2500
2	9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1800
3	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	12000
3	9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	6500
3	16	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	6600
4	20	59	-	-	-	-	26.9	-	-	-	-	-	-	-	-	-		-	3500
5	11	59	-	-	-	-	34.6	-	-	-	-	-	-	-	-	-		-	1900
6	15	59	-	-	-	-	20.3	-	-	-	-	-	-	-	-	-		-	100
7	15	59	-	-	-	-	27.7	-	-	-	-	-	-	-	-	-		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: IOWA
MAJOR BASIN: UPPER MISSISSIPPI RIVER
SUB BASIN: MISSISSIPPI-WAPSIPINICON & TRIB.
STATION LOCATION: MISSISSIPPI RIVER AT DUBUQUE, IOWA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
12	8	58	.8	13.4	8.0	6.9	10.8	-	-	-	-	116	142	80	25	-		-	25
12	15	58	.5	13.1	8.0	4.8	10.5	-	-	-	9	122	146	75	20	-		-	4
12	22	58	.6	11.8	8.0	2.6	20.7	-	-	-	9	128	152	75	20	-		-	-
12	29	58	.6	11.7	7.9	2.7	9.7	-	-	-	8	134	148	75	20	-		-	-
1	5	59	.9	11.4	7.8	3.0	9.2	-	-	-	9	136	146	75	20	-		-	5
1	12	59	.9	11.2	8.0	2.9	7.2	-	-	-	9	136	149	80	25	-		-	60
1	19	59	.9	11.2	8.1	3.4	6.8	-	-	-	9	144	154	75	25	-		-	48
1	26	59	.9	10.5	8.0	2.7	6.0	-	-	-	9	148	154	75	25	-		-	8
2	2	59	.8	9.8	8.0	2.9	6.1	-	-	-	8	148	152	75	25	-		-	-
2	9	59	.8	9.2	8.0	2.6	6.8	-	-	-	8	140	154	75	25	-		-	38
2	16	59	.9	7.6	8.0	2.5	8.8	-	-	-	9	138	152	75	25	-		-	38
2	23	59	.8	7.2	8.0	1.6	28.6	-	-	-	8	137	152	75	25	-		-	35
3	2	59	.8	7.0	8.4	7.1	19.4	-	-	-	10	142	154	80	40	-		-	-
3	9	59	.9	6.6	8.0	9.2	52.0	-	-	-	9	142	157	100	25	-		-	58
3	16	59	1.0	7.6	8.1	11.0	26.0	-	-	-	10	145	155	50	30	-		-	100
4	1	59	2.4	9.6	8.4	5.4	11.8	-	-	-	12	90	95	240	270	-		-	320
4	6	59	8.8	9.3	8.1	2.7	12.0	-	-	-	9	77	90	200	240	-		-	120
4	15	59	12.2	12.0	8.5	3.3	28.7	-	-	-	10	88	105	150	200	-		-	*1
5	4	59	18.8	7.4	8.6	3.4	8.2	-	-	-	9	93	116	150	75	-		-	40
5	11	59	18.0	8.1	8.4	3.0	7.6	-	-	-	9	98	121	125	75	-		-	20
5	18	59	18.8	8.3	8.3	4.8	8.0	-	-	-	8	96	128	100	75	-		-	10
5	26	59	20.0	6.9	8.1	2.4	6.5	-	-	-	10	105	111	200	250	-		-	250
6	1	59	19.2	7.4	8.3	3.2	8.1	-	-	-	9	115	120	100	75	-		-	500
6	8	59	20.1	7.0	8.1	3.3	8.5	-	-	-	7	118	122	100	75	-		-	10
6	15	59	21.3	6.5	8.0	4.6	8.2	-	-	-	9	118	124	100	70	-		-	920
7	20	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	*1
8	10	59	26.0	6.2	-	3.4	14.0	-	-	-	10	122	128	-	75	-		-	4700
8	17	59	27.0	6.2	8.1	2.4	12.2	-	-	-	9	120	129	100	75	-		-	120
8	24	59	30.0	5.1	8.2	2.2	4.1	-	-	-	9	117	129	80	100	-		-	110
8	31	59	29.1	4.9	8.0	1.8	6.1	-	-	-	8	110	118	75	100	-		-	55
9	14	59	33.2	5.8	8.4	2.4	4.9	-	-	-	8	98	111	75	100	-		-	160
9	22	59	23.1	6.8	7.6	2.2	5.0	-	-	-	9	100	114	75	100	-		-	80
9	29	59	18.4	6.0	8.4	2.0	3.4	-	-	-	8	98	110	100	150	-		-	880

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MINNESOTA

MAJOR BASIN: UPPER MISSISSIPPI RIVER

SUB BASIN: UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION: MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	58	14.8	9.6	8.3	3.4	28.4	.5	11.9	2.4	9	136	147	35	25	12		200	1300
10	14	58	13.6	10.6	8.2	4.2	26.7	.5	11.7	2.7	8	136	144	30	3	14		194	6300
10	21	58	14.5	8.3	8.2	4.1	28.9	.5	-	3.2	9	136	146	35	35	13		203	3500
10	28	58	10.7	9.0	7.8	3.0	25.7	.3	14.3	6.6	8	131	148	30	20	17		213	4200
11	4	58	10.2	7.8	7.9	3.2	26.9	.4	13.9	5.5	8	140	150	30	30	5		204	14000
11	10	58	6.6	9.5	8.0	3.9	11.2	.4	14.1	5.7	9	148	159	25	20	12		212	-
11	18	58	7.4	9.6	8.1	3.2	21.8	.3	12.1	4.5	7	133	147	25	30	10		184	9000
11	25	58	4.0	11.2	8.1	4.0	21.4	.6	13.6	3.8	7	145	155	25	10	12		200	9000
12	2	58	.2	13.2	8.1	3.7	24.1	.4	13.7	4.5	8	167	175	20	10	30		235	39000
12	9	58	.1	9.9	7.9	5.0	22.9	.4	16.2	9.7	10	172	184	20	9	24		257	6900
12	16	58	.1	9.1	7.9	3.6	23.1	.4	12.7	9.3	9	178	188	25	7	19		247	-
12	23	58	.4	6.9	7.7	3.0	26.0	.3	12.6	9.9	10	160	175	30	7	18		237	-
12	30	58	.7	6.7	7.6	2.9	21.6	.5	10.9	9.6	10	161	177	30	6	20		248	-
1	6	59	.3	7.0	7.7	5.1	25.4	.5	9.4	11.0	11	184	199	35	7	17		275	5100
1	13	59	.3	6.8	7.7	2.3	20.9	.3	12.3	11.0	9	171	186	30	6	17		220	2200
1	20	59	.3	6.5	7.6	3.1	24.5	.3	10.7	13.0	12	180	194	30	7	16		271	6700
1	27	59	.1	10.5	7.6	3.4	21.4	.7	10.6	12.0	11	177	196	20	6	-		259	4100
2	3	59	.2	5.0	7.5	2.9	21.4	.3	-	12.4	11	177	192	25	7	14		258	8100
2	10	59	.2	3.7	7.6	3.6	23.8	.4	13.8	12.8	12	182	196	25	7	19		261	42000
2	17	59	.1	3.2	7.5	3.9	18.9	.4	18.0	9.0	14	182	197	20	6	17		277	25000
2	25	59	.3	4.4	7.5	3.7	20.3	.5	17.2	12.2	15	178	192	25	6	18		267	-
3	3	59	.8	4.7	7.6	4.2	22.5	.4	17.9	12.7	14	183	196	20	6	19		278	13000
3	11	59	1.3	5.7	7.7	3.2	22.7	.3	17.7	13.0	10	175	190	20	4	19		259	1600
3	17	59	1.2	9.9	7.8	4.9	20.7	.3	14.0	9.9	10	169	181	20	6	12		249	11000
3	24	59	2.9	16.5	8.4	7.5	27.0	.8	11.4	1.5	11	162	181	30	10	21		244	27000
3	31	59	4.0	19.9	8.8	7.5	27.1	1.4	-	.0	8	149	169	25	45	16		230	23000
4	7	59	6.5	16.0	8.7	8.0	29.2	1.3	10.0	.0	8	140	167	25	50	26		200	16700
4	14	59	7.3	18.3	8.8	7.1	27.9	2.5	9.7	.0	8	137	158	20	40	26		198	18000
4	21	59	7.5	14.4	8.6	6.5	25.3	2.5	8.1	.0	7	133	154	25	40	21		199	21000
4	28	59	9.0	11.2	8.3	5.9	23.9	2.5	8.0	.0	8	138	155	25	45	19		203	5300
5	5	59	15.9	7.9	8.0	3.6	19.1	1.1	10.1	4.5	8	134	152	25	95	21		184	4700
5	12	59	13.6	8.2	8.2	4.0	24.0	.1	10.1	3.5	6	137	150	25	50	16		189	2900
5	19	59	16.3	8.8	8.4	5.0	28.8	2.7	8.2	.0	7	139	166	35	45	20		202	10000
5	26	59	18.3	7.4	7.9	4.2	19.3	1.7	-	4.0	7	137	158	35	55	22		232	12000
6	2	59	19.2	7.0	8.0	4.2	33.2	.5	13.6	4.1	7	142	166	40	70	22		203	24000
6	9	59	23.1	6.0	7.9	3.3	34.2	.5	13.3	3.0	4	107	128	55	75	13		177	22000
6	16	59	22.2	8.5	8.2	4.5	38.8	1.2	14.8	.8	6	123	153	65	60	11		217	6000
6	23	59	21.8	8.3	8.2	4.2	-	2.6	-	3.8	-	123	151	60	45	-		-	3700
6	30	59	21.5	6.7	8.0	4.5	35.5	.7	-	2.3	7	118	144	50	60	11		209	4800

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MINNESOTA

MAJOR BASIN: UPPER MISSISSIPPI RIVER

SUB BASIN: UPPER PORTION UPPER MISSISSIPPI

STATION LOCATION: MISSISSIPPI RIVER LOCK DAM #3 BELOW MINNEAPOLIS, MINNESOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	7	59	22.7	9.0	8.2	4.7	34.8	2.8	12.8	.3	8	133	163	45	60	21		220	4800
7	14	59	23.6	7.0	8.1	4.9	31.6	.7	12.9	2.3	8	131	164	35	50	16		230	2700
7	21	59	25.6	7.9	8.3	5.1	37.8	2.4	12.8	1.0	8	135	150	40	40	7		212	2100
7	28	59	26.6	8.0	8.7	5.1	42.2	3.0	13.7	.3	7	127	143	50	85	7		200	1000
8	4	59	25.3	5.3	8.2	3.6	38.7	2.6	13.8	1.8	5	135	152	50	45	13		200	330
8	11	59	23.7	8.8	8.4	5.0	19.9	4.4	11.8	2.5	8	128	144	40	45	9		197	600
8	18	59	23.3	5.4	8.0	2.6	28.9	1.3	13.6	5.3	11	128	148	35	40	14		209	77
8	25	59	25.8	5.4	8.1	3.1	28.2	.1	13.4	5.3	11	137	154	30	30	16		212	920
9	1	59	25.0	5.9	8.1	3.0	27.8	.0	13.5	5.0	11	141	160	30	30	17		208	9000
9	9	59	25.1	6.7	8.2	3.5	26.7	.4	11.5	2.8	9	133	159	30	40	17		206	*70
9	15	59	20.4	6.7	8.0	3.7	26.1	.3	11.4	3.2	8	142	165	30	35	11		249	3000
9	22	59	19.2	7.2	8.2	3.3	26.8	.4	11.6	3.6	8	141	164	35	40	8		212	2100
9	29	59	16.3	6.5	7.9	2.5	25.5	.4	-	4.0	6	130	150	35	30	3		197	3200

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER M36 AT ST.LOUIS, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	4	58	17.8	8.9	8.2	1.3	9.7	3.8	10.1	.0	24	157	210	19	400	130		420	6000
10	14	58	17.8	7.9	8.1	2.4	12.0	-	-	-	17	117	150	28	1500	79		-	30000
10	20	58	16.7	8.5	8.4	1.8	9.8	-	-	-	23	160	210	18	380	157		-	6500
10	27	58	14.4	9.0	8.1	.7	6.7	3.2	7.4	.0	27	176	240	12	180	168		481	3400
11	3	58	15.0	10.2	8.1	1.2	6.9	-	-	-	27	178	233	12	200	167		-	7000
11	10	58	11.1	10.7	8.1	1.5	-	-	-	-	27	182	240	14	190	165		-	6200
11	17	58	15.0	9.4	8.0	2.2	7.6	-	-	-	27	185	236	16	300	126		-	33000
11	24	58	13.3	9.0	7.9	3.0	15.3	-	-	-	13	99	121	40	1100	44		-	29000
12	2	58	-	-	-	-	-	2.6	6.9	.0	28	190	230	20	180	152		416	20000
12	9	58	-	-	-	-	-	1.9	5.6	1.5	26	183	228	15	120	87		377	8800
12	16	58	-	-	-	-	-	3.6	6.2	2.0	32	201	250	12	120	100		392	5700
12	22	58	2.8	12.3	8.0	2.3	4.3	-	-	-	31	256	310	12	102	105		-	-
12	29	58	5.0	12.3	8.1	4.1	7.8	-	-	-	35	201	264	14	300	144		-	-
1	5	59	.1	13.6	8.0	4.6	5.3	-	-	-	32	200	267	14	105	133		-	4400
1	12	59	4.4	12.8	7.9	1.2	4.6	2.0	5.8	1.5	26	175	224	12	90	73		338	3000
1	19	59	2.8	12.0	8.0	4.5	5.9	-	11.9	5.0	43	244	322	10	140	147		566	2600
1	26	59	2.9	12.6	8.0	3.5	4.9	-	-	-	24	175	226	12	115	81		-	2200
2	2	59	4.4	12.9	8.1	3.9	5.0	-	-	-	25	156	200	16	125	99		-	8400
2	9	59	8.3	12.4	8.2	3.0	4.6	-	-	-	25	163	206	18	70	99		-	2000
2	16	59	3.3	12.9	8.0	4.7	14.0	-	-	-	19	115	156	26	350	64		-	5600
2	24	59	3.3	11.2	7.9	8.2	15.8	-	-	-	22	135	173	26	360	67		-	5300
3	2	59	5.0	10.3	8.1	4.0	11.8	5.7	-	4.5	24	144	191	25	400	61		-	10000
3	9	59	6.3	10.6	7.9	4.5	21.8	8.0	13.8	3.5	32	104	134	36	1000	133		-	10000
3	16	59	6.7	10.5	8.0	2.7	11.7	-	-	-	16	126	170	15	350	68		-	4400
3	23	59	8.9	10.1	7.9	2.2	12.2	4.9	8.0	.0	18	131	193	18	400	76		293	6900
3	30	59	11.6	8.0	8.0	4.5	26.1	7.9	16.5	2.0	20	124	192	26	3500	71		299	43000
4	6	59	13.9	9.5	8.0	3.3	22.8	-	-	-	19	123	160	26	1500	63		-	10000
4	13	59	-	-	-	-	-	5.8	11.1	.0	22	142	160	20	450	60		330	6800
4	20	59	12.2	9.0	8.1	1.6	9.5	-	-	.2	22	156	208	16	380	99		342	-
4	27	59	16.7	8.0	8.0	2.0	18.7	-	-	.2	16	122	170	25	1250	92		274	4400
5	4	59	21.7	7.5	8.1	1.4	13.4	-	-	.2	23	150	204	20	700	113		336	1700
5	11	59	18.8	6.1	8.1	2.8	34.4	-	-	.5	23	133	167	18	3800	76		297	28000
5	18	59	18.3	6.5	8.0	2.9	49.1	-	-	.5	21	110	149	26	2800	61		239	22000
5	25	59	19.4	7.0	8.0	2.9	15.3	-	-	.2	16	112	147	20	3000	65		306	8000
6	1	59	23.9	6.4	8.0	1.5	13.6	-	-	.2	17	113	166	22	1400	64		255	3400
6	8	59	24.4	6.3	8.0	1.2	14.2	-	-	.2	13	106	143	28	2500	49		182	26000
6	15	59	23.9	7.0	8.2	.7	14.6	-	-	.2	21	149	200	26	1000	84		307	17000
6	22	59	26.6	7.0	8.1	.8	15.6	-	-	.2	29	158	213	18	1000	110		388	11000
6	29	59	25.0	6.9	8.3	-	12.2	-	-	.2	30	162	235	20	550	129		408	2800

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MISSOURI
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER M36 AT ST.LOUIS, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	25.6	6.3	8.3	1.3	27.4	-	-	.5	19	128	180	26	4200	86		277	11000
7	13	59	22.8	4.9	8.2	1.5	28.7	-	-	.2	12	118	147	24	3200	64		250	-
7	20	59	25.6	6.5	8.2	1.0	17.5	-	-	.2	32	130	196	15	950	115		310	9200
7	27	59	25.0	6.9	8.0	.7	13.1	-	-	.2	24	139	200	16	650	107		344	6300
8	3	59	28.9	6.4	8.1	.8	9.7	-	-	.2	29	156	226	12	450	144		388	5400
8	10	59	24.4	5.6	8.2	1.6	27.0	-	-	.2	15	109	151	25	2800	63		194	23000
8	17	59	28.9	6.7	8.1	1.1	14.2	-	-	.2	27	124	184	14	600	102		312	13000
8	24	59	25.0	6.9	8.3	1.2	13.1	-	-	.5	27	145	200	16	600	126		368	7800
8	31	59	26.1	6.9	8.3	.7	7.9	-	-	.2	32	160	232	17	260	164		457	4900
9	7	59	-	-	-	-	-	-	-	.2	-	-	-	-	-	409		-	-
9	8	59	26.7	7.3	8.2	1.0	6.9	-	-	-	28	139	201	20	1100	121		-	8800
9	21	59	20.0	9.0	8.3	.8	6.0	-	-	.2	28	170	245	15	200	185		448	4500
9	28	59	22.2	7.5	8.1	1.6	18.1	-	-	-	23	121	186	24	1750	103		-	19000
9	14	59	22.2	8.4	8.3	.8	7.6	-	-	.2	25	165	234	15	240	171		470	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: KANSAS
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	15.9	8.3	7.9	1.8	17.9	-	-	.3	16	166	233	8	250	187		474	26000
10	14	58	16.1	7.9	8.1	1.5	18.3	-	-	.3	16	163	233	8	230	187		483	21000
10	20	58	17.3	7.8	8.1	1.2	16.4	-	-	.2	18	164	236	10	240	196		498	9500
10	27	58	11.6	8.6	8.1	1.3	15.6	-	-	.3	18	168	243	12	290	198		502	13000
11	3	58	10.2	9.3	8.1	1.9	16.8	-	-	.3	17	168	239	10	230	188		473	6000
11	10	58	8.5	9.7	8.0	2.2	15.5	-	-	.2	21	180	246	8	200	177		480	49000
11	17	58	14.8	6.8	8.0	6.1	20.0	-	-	2.4	16	144	185	10	1900	129		418	44000
11	24	58	7.0	9.8	7.9	2.5	16.0	-	-	.4	28	196	250	10	170	135		464	28000
12	1	58	.4	10.3	8.0	3.2	14.6	-	-	1.0	24	189	253	7	165	143		466	38000
12	8	58	.4	12.3	8.0	6.0	20.6	-	-	3.2	25	210	252	7	210	151		472	15000
12	15	58	.1	12.2	8.0	3.5	8.3	-	-	6.0	30	257	311	8	25	157		555	-
12	22	58	1.0	10.7	8.0	2.0	11.4	-	-	6.0	28	210	277	8	45	173		544	-
12	29	58	1.3	11.9	8.1	3.7	14.8	-	-	2.7	22	176	233	5	170	149		451	-
1	5	59	.0	11.1	8.0	1.9	6.5	-	-	3.2	22	207	270	3	32	155		503	5800
1	12	59	.1	11.5	8.0	3.6	9.7	-	-	6.4	29	224	291	10	22	160		533	7000
1	19	59	.0	10.7	7.9	2.8	8.3	-	-	3.2	25	193	257	7	51	170		487	16000
1	26	59	.0	11.0	7.9	3.7	9.3	-	-	4.4	28	195	257	8	48	141		470	17000
2	2	59	.0	11.1	7.9	2.9	9.5	-	-	3.6	26	193	267	13	35	169		521	8000
2	9	59	.3	11.4	8.0	3.9	14.1	-	-	4.4	22	182	229	10	90	156		461	21000
2	16	59	.8	10.1	7.8	9.8	49.2	-	-	7.2	14	132	164	20	550	-		329	55000
2	24	59	1.8	10.4	8.0	2.9	15.7	-	-	5.6	20	175	229	12	110	146		448	15000
3	2	59	2.3	8.2	7.6	8.1	97.9	-	-	7.2	15	127	164	37	1300	91		313	16000
3	9	59	2.1	12.0	7.9	5.5	22.0	-	-	6.0	17	148	188	18	250	111		362	4000
3	16	59	3.5	10.4	8.1	5.3	39.8	-	-	4.0	17	147	188	15	500	104		350	26000
3	23	59	5.7	10.5	8.0	6.1	75.3	-	-	3.6	20	144	192	17	1400	103		338	15000
3	30	59	7.8	9.4	7.8	5.9	105.3	-	-	2.4	23	134	174	50	2000	84		319	110000
4	6	59	12.5	8.7	7.9	3.3	46.7	-	-	.4	17	164	202	18	600	119		380	6300
4	13	59	9.2	9.7	8.0	2.9	25.7	2.3	-	-	15	156	203	22	350	121		369	4000
4	20	59	10.5	8.6	7.9	3.1	47.7	2.7	7.5	.4	15	155	227	15	1150	139		405	23000
4	27	59	13.7	8.4	8.0	1.8	26.9	2.5	8.0	.2	15	162	226	22	370	137		418	33000
5	4	59	19.9	7.3	8.1	2.0	31.7	3.0	10.5	.3	17	168	229	19	420	152		440	16000
5	11	59	17.7	7.1	7.8	3.3	86.5	1.6	10.0	.4	11	153	195	35	1600	111		360	9700
5	18	59	17.0	7.7	8.0	1.4	40.4	2.8	8.6	.3	14	178	226	18	700	127		410	7000
5	25	59	18.3	6.5	7.9	2.7	179.9	2.3	4.9	.4	12	142	185	37	2900	101		332	23000
6	1	59	19.9	4.7	7.7	2.6	273.5	2.3	4.9	.6	7	114	161	27	4600	69		247	25000
6	8	59	23.5	6.3	7.8	2.2	10.0	2.5	6.3	.2	13	162	192	27	1900	87		330	33000
6	15	59	23.8	6.2	7.9	2.2	179.9	.9	4.0	.3	15	161	209	28	3200	121		384	30000
6	22	59	27.3	5.8	7.9	1.8	38.0	3.0	12.5	.6	17	162	215	23	600	149		448	25000
6	29	59	25.7	6.0	8.0	1.6	35.9	2.6	13.0	.7	15	164	229	12	580	160		445	13000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE KANSAS

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER AT KANSAS CITY, KANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	23.3	4.9	7.7	2.4	174.5	2.9	5.0	.4	38	116	157	24	4400	78		258	62000
7	20	59	25.7	5.6	8.0	1.2	30.1	2.5	7.7	.3	19	151	222	-	460	153		434	22000
7	28	59	27.3	5.9	8.0	1.3	17.8	2.9	9.3	.3	20	158	219	17	280	172		458	14000
8	3	59	27.2	5.6	7.9	1.7	36.0	2.9	9.6	.3	18	153	212	13	800	162		479	19000
8	10	59	26.2	5.5	7.9	1.7	67.8	2.9	9.0	.2	11	129	154	27	1200	118		365	21000
8	17	59	25.5	4.9	7.9	1.8	51.7	3.5	11.0	.3	13	149	205	14	800	157		417	88000
8	24	59	28.0	6.0	8.1	1.3	22.7	2.4	9.2	.2	17	169	215	15	280	187		486	13000
8	31	59	26.4	5.8	8.1	1.5	31.9	2.7	9.7	.3	17	163	219	15	500	192		475	59000
9	8	59	25.3	6.5	8.1	.9	21.0	2.2	7.3	.3	10	161	215	18	280	187		493	7000
9	14	59	21.5	6.9	8.0	1.3	20.2	2.4	8.2	.4	14	168	226	15	220	200		511	18000
9	21	59	18.1	6.7	8.0	4.0	49.4	4.0	14.4	.5	12	154	212	28	1000	172		434	15000
9	28	59	18.5	5.5	7.8	4.0	127.3	1.9	14.8	.7	7	112	144	30	2400	113		285	110000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MISSOURI

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI BELOW NIOBRARA RIVER

STATION LOCATION MISSOURI RIVER AT ST. JOSEPH, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	14.4	8.6	7.8	2.8	–	3.1	4.5	–	27	162	224	10	–	–		–	–
10	14	58	16.1	9.6	7.6	2.6	–	2.5	3.5	–	29	166	220	10	230	–		482	46000
10	20	58	15.5	9.2	7.8	3.2	20.8	2.5	3.5	–	27	166	220	15	205	–		–	26000
10	27	58	10.0	9.6	7.6	4.4	–	2.5	3.0	–	24	168	236	10	200	–		456	20000
11	3	58	10.0	10.0	7.7	2.0	–	2.5	3.5	–	24	172	242	10	220	–		480	8000
11	10	58	10.0	9.5	7.8	2.5	9.4	2.5	3.5	3.0	27	182	220	40	190	–		660	–
11	17	58	12.7	8.0	7.9	5.0	–	2.5	3.5	2.7	24	192	240	15	1000	137		590	–
11	24	58	–	–	–	–	–	–	–	–	–	–	–	–	–	–		–	59000
12	1	58	–	9.5	7.9	3.5	–	2.5	3.5	2.5	32	176	250	10	90	130		490	5800
12	9	58	–	13.0	7.9	3.4	–	4.0	6.0	4.5	32	196	276	10	35	145		453	1400
12	15	58	1.6	13.0	7.9	3.6	–	6.0	7.0	7.0	39	266	376	30	25	–		500	–
12	29	58	1.1	13.4	7.8	3.4	–	3.0	4.5	3.0	30	168	240	7	50	–		465	–
1	5	59	1.1	12.6	7.9	3.6	–	3.0	4.5	3.5	33	180	286	10	25	160		518	–
1	12	59	1.1	11.2	7.9	1.0	–	3.0	4.0	4.4	35	206	296	10	25	180		534	1500
1	19	59	1.1	12.6	7.8	2.6	–	3.0	4.5	3.5	33	194	248	15	25	155		564	360
1	27	59	–	–	–	–	–	–	–	–	–	–	–	–	–	–		–	500
2	2	59	1.1	10.6	7.9	1.4	–	3.0	4.5	3.5	30	180	248	10	20	163		517	2500
2	9	59	1.1	12.0	7.8	3.2	–	3.0	4.5	6.0	32	172	240	20	50	157		490	2200
2	16	59	1.1	10.6	7.6	2.0	–	6.0	8.0	10.0	30	168	216	20	400	–		–	15000
2	24	59	1.1	12.0	7.9	2.2	–	4.5	6.0	5.0	30	152	200	15	1220	–		–	–
3	3	59	–	–	–	–	–	–	–	–	–	–	–	–	–	–		–	6000
3	10	59	4.4	11.2	7.9	6.0	–	5.0	6.0	–	26	154	185	15	300	105		382	2700
3	16	59	4.4	9.6	7.8	3.6	–	4.5	5.5	–	27	120	196	25	700	–		–	–
3	24	59	4.6	8.6	8.1	2.1	–	–	–	4.2	30	144	180	30	–	106		369	41000
3	30	59	8.9	8.8	7.9	4.0	–	–	–	3.0	30	154	180	25	800	96		357	14000
4	7	59	8.8	8.0	7.9	2.0	–	–	–	5.0	32	164	192	15	–	115		386	3500
4	13	59	11.1	–	8.5	–	–	3.5	4.5	4.0	32	168	210	20	400	127		409	9100
4	20	59	12.2	7.7	7.9	3.0	–	3.5	4.5	4.0	30	150	200	50	2000	116		384	73000
4	27	59	12.2	8.6	–	1.6	–	–	–	2.5	30	164	206	30	300	153		411	75000
5	11	59	15.5	8.0	7.8	–	–	3.0	4.0	4.0	15	140	186	45	6000	96		340	–
5	18	59	–	–	–	–	–	–	–	–	–	–	–	–	–	–		–	2000
5	[illegible]	59	18.8	–	7.9	–	–	3.5	4.5	3.8	29	156	176	30	1150	96		349	1500
6	<	59	22.7	–	7.6	–	–	3.0	4.0	3.8	22	120	190	30	6000	98		356	58000
6	9	59	21.1	6.6	7.7	–	–	3.4	4.0	4.0	–	184	208	–	1300	94		347	12000
6	15	59	23.3	6.4	7.8	1.8	–	–	–	4.0	–	164	204	25	1850	117		406	–
6	23	59	25.5	6.0	7.8	–	–	–	4.5	3.6	24	138	182	25	700	92		340	20000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MISSOURI
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI BELOW NIOBRARA RIVER
STATION LOCATION: MISSOURI RIVER AT ST. JOSEPH, MISSOURI

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	1	59	26.1	6.4	7.8	-	-	3.0	4.5	3.6	27	148	182	-	6500	111		-	75000
7	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	20000
7	9	59	23.3	6.8	7.8	-	-	3.0	4.5	4.0	33	186	205	15	1500	-		-	-
7	16	59	24.4	-	7.9	-	-	3.5	5.0	4.5	29	168	200	12	380	-		-	-
7	23	59	26.6	6.6	8.0	-	-	-	-	3.5	23	170	210	-	260	150		438	13000
7	28	59	26.7	6.3	8.0	1.0	-	-	-	3.0	28	172	212	15	200	169		438	20000
8	5	59	26.6	-	8.1	-	-	2.5	3.0	3.5	30	128	171	15	4500	114		329	42000
8	11	59	26.6	8.6	8.2	1.9	-	3.0	3.5	3.6	27	160	211	10	500	161		427	6200
8	20	59	26.6	6.0	8.0	1.6	-	3.0	3.5	3.5	32	164	202	10	500	149		441	40001
8	25	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	55000
9	2	59	25.5	-	7.9	-	-	2.0	3.0	1.5	26	156	208	10	3000	162		444	-
9	10	59	22.2	-	8.3	-	-	2.5	3.5	2.0	-	172	224	10	240	192		493	*1000
9	16	59	20.0	7.1	8.2	1.4	23.3	2.5	3.0	2.0	30	176	237	-	200	205		522	3100
9	22	59	17.2	7.2	8.0	1.3	-	3.0	3.5	2.5	27	152	210	10	1300	115		452	-
9	29	59	17.7	8.4	8.0	2.4	-	-	-	2.5	27	168	220	-	400	141		461	35000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NEBRASKA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER M642 AT OMAHA, NEBRASKA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	15.8	8.6	8.2	.8	10.6	4.3	5.0	.2	10	162	225	4	160	207		512	1400
10	13	58	13.3	9.4	8.3	.9	11.7	3.0	6.2	.0	11	170	230	4	170	214		559	1700
10	20	58	14.8	9.1	8.3	1.5	13.8	3.2	5.4	.2	11	163	236	4	150	217		552	1000
10	27	58	10.8	9.2	8.3	.5	11.7	2.1	3.4	.2	12	167	237	4	180	212		570	330
11	3	58	10.0	10.4	8.3	1.4	12.2	1.7	3.2	.3	11	168	240	2	160	206		533	170
11	10	58	7.1	-	8.3	2.2	12.2	2.1	4.5	.3	12	183	252	6	170	200		497	830
11	17	58	10.3	11.0	8.3	1.2	10.3	2.3	4.8	.5	12	186	254	2	75	191		533	1400
11	24	58	5.5	11.9	8.3	3.5	7.3	1.4	4.5	.6	12	187	252	4	80	188		517	-
12	1	58	.4	12.7	8.1	.5	11.6	1.5	3.2	.8	12	192	264	6	130	204		589	2100
12	8	58	.3	12.7	8.2	2.3	8.5	2.4	5.0	1.0	13	193	260	4	140	186		530	1300
12	15	58	.3	12.0	8.2	1.6	9.5	1.7	2.7	.7	12	186	266	6	35	201		553	-
12	22	58	.4	12.8	8.2	2.5	6.9	1.7	2.9	.7	11	189	238	4	80	257		531	-
12	29	58	.3	12.5	8.2	1.6	4.6	2.3	3.7	.7	12	192	236	4	60	181		520	-
1	5	59	.3	13.1	8.1	.2	5.4	1.4	3.0	1.0	12	191	278	6	15	205		527	460
1	12	59	.3	12.5	8.2	.5	4.0	1.7	3.0	.8	12	170	252	4	15	205		527	1800
1	19	59	.3	12.7	8.2	1.5	7.3	2.1	3.5	1.0	12	167	234	4	30	171		475	11000
1	26	59	.3	12.5	8.1	.2	4.9	2.0	3.2	1.1	12	175	252	5	20	227		494	3300
2	2	59	.3	12.8	8.2	.5	10.6	1.2	2.9	.5	12	169	250	5	20	185		461	3200
2	9	59	.3	10.7	8.2	1.0	6.8	1.5	3.4	.7	12	164	228	4	20	179		498	2100
2	16	59	.3	12.1	8.2	.4	3.8	2.1	3.6	.6	12	167	245	6	35	182		430	43000
2	23	59	.3	11.7	8.1	3.0	5.7	1.7	3.1	1.0	11	158	235	5	35	178		480	4300
3	2	59	.4	11.2	8.1	3.0	10.6	3.2	5.1	1.2	12	150	220	4	120	154		476	11000
3	9	59	.3	11.6	8.2	2.4	16.0	1.2	2.8	1.5	12	158	225	4	25	152		459	2600
3	16	59	.3	11.2	8.1	2.0	22.4	3.4	5.5	1.5	16	151	220	4	210	152		410	6400
3	23	59	6.1	11.3	8.1	2.7	27.6	4.3	7.7	2.5	13	152	220	2	240	147		410	9500
3	30	59	5.8	10.7	8.1	5.3	28.1	5.0	8.8	2.0	15	176	220	6	200	154		446	1000
4	6	59	9.4	10.2	8.1	3.3	27.1	2.3	4.4	1.8	12	140	190	6	220	137		350	*330
4	13	59	7.7	10.4	8.2	1.3	19.2	3.1	4.3	1.2	11	155	210	6	230	162		430	*36
4	20	59	7.2	9.8	8.2	2.4	16.9	1.2	1.9	1.0	12	168	231	4	340	178		480	-
4	27	59	11.1	9.3	8.2	2.9	11.0	1.1	2.9	1.0	12	170	234	6	250	179		466	900
5	4	59	19.5	7.5	8.2	1.3	20.8	1.4	5.0	.7	18	166	222	6	240	174		489	18000
5	11	59	15.1	7.1	8.1	1.2	17.1	3.1	3.9	.7	13	168	231	4	300	172		460	5000
5	18	59	15.7	7.8	8.2	2.2	18.0	1.2	2.9	.8	13	176	239	6	200	179		466	290
5	25	59	15.9	7.8	8.2	2.3	19.6	1.2	3.4	.8	13	172	221	6	340	167		476	26000
6	1	59	18.3	4.0	7.8	3.4	178.1	1.3	3.1	4.8	7	151	150	7	6000	172		480	64000
6	8	59	23.3	5.6	8.0	1.3	35.3	3.2	4.5	.8	12	160	207	6	500	138		397	7700
6	15	59	23.4	6.1	8.1	1.7	29.7	1.7	3.7	.5	11	169	221	4	320	160		455	9300
6	22	59	25.0	6.0	8.1	1.5	25.8	1.5	2.7	.4	14	169	224	7	280	174		499	14000
6	29	59	24.2	5.5	7.9	2.8	95.0	4.6	5.7	1.1	9	156	214	7	1900	158		456	41000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: NEBRASKA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER M642 AT OMAHA, NEBRASKA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	23.7	5.7	8.1	.8	35.2	1.5	4.0	.5	18	168	227	7	220	172		480	1500
7	13	59	24.2	6.6	8.2	.9	25.6	1.2	3.2	.2	13	165	225	8	210	177		495	2000
7	20	59	24.2	6.1	8.1	.5	16.0	.5	2.5	.6	11	168	217	7	180	174		442	3700
7	27	59	26.5	6.5	8.1	1.7	20.0	1.3	3.2	.7	12	165	230	5	170	187		470	1000
8	3	59	26.5	5.2	8.1	1.6	23.2	1.3	3.2	.6	11	173	215	8	700	174		497	22000
8	10	59	25.6	7.0	8.2	2.9	24.0	.5	2.2	.5	13	167	224	6	170	189		495	6000
8	17	59	25.6	6.8	8.1	1.7	14.4	1.6	2.9	.4	12	170	221	6	180	193		525	*63
8	24	59	26.7	6.2	8.2	1.3	21.1	3.0	4.9	1.2	14	177	235	4	130	227		488	7000
8	31	59	24.6	5.9	8.2	.3	11.2	2.6	3.7	.1	9	169	238	5	220	219		513	2000
9	7	59	24.4	6.3	8.1	1.7	24.9	2.4	3.9	.3	11	172	238	6	130	214		547	2900
9	14	59	20.1	7.6	8.2	.4	25.6	3.2	5.6	.2	9	180	221	7	140	227		509	2600
9	21	59	17.0	7.1	8.3	.5	18.0	2.3	4.0	.1	11	167	241	6	180	225		526	9000
9	28	59	17.5	7.1	8.2	.6	25.0	2.8	4.0	.1	11	165	243	7	160	216		522	25000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: SOUTH DAKOTA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: LOWER MISSOURI RIVER
STATION LOCATION: MISSOURI RIVER M841 AT YANKTON, SOUTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	16.0	9.8	8.3	1.2	-	1.1	2.6	1.8	14	158	228	60	30	-		-	*10
10	13	58	15.0	9.9	8.3	.9	-	1.0	2.1	1.8	15	164	232	60	30	-		-	80
10	20	58	16.2	9.7	8.3	1.1	-	1.2	1.9	1.8	13	156	240	50	30	-		-	10
10	27	58	12.5	10.5	8.2	1.4	-	.8	1.3	1.8	15	154	244	40	25	-		-	30
11	3	58	11.0	11.0	8.4	1.5	-	.7	1.0	1.5	15	164	256	40	25	-		-	*9
11	10	58	9.5	11.4	8.3	1.3	-	.9	1.5	1.5	15	162	256	40	25	-		-	*9
11	17	58	8.8	11.5	8.1	1.5	-	.9	1.4	1.5	14	170	252	30	25	-		-	*9
11	24	58	6.6	11.8	8.3	1.8	-	.8	1.1	1.5	15	144	252	50	25	-		-	130
12	1	58	3.0	12.8	8.2	-	-	.9	1.1	2.0	14	148	220	30	25	-		-	10
12	8	58	2.5	13.4	8.4	-	12.8	.8	1.0	2.0	14	148	240	30	25	-		-	10
12	15	58	1.0	13.8	8.1	-	-	.7	1.0	1.5	14	150	220	30	20	-		-	-
12	22	58	2.5	13.6	8.1	-	-	.9	1.6	1.5	11	148	244	40	20	-		-	-
12	29	58	2.0	13.2	8.5	-	-	.7	1.0	1.5	9	148	256	40	20	-		-	-
1	5	59	1.0	13.7	8.4	-	12.1	.4	.9	2.0	8	168	236	40	20	-		-	*10
1	12	59	1.0	13.8	8.1	-	-	.5	.9	1.5	14	164	252	30	20	-		-	10
1	19	59	1.5	14.3	8.5	-	-	.8	1.1	1.5	9	180	224	30	20	-		-	10
1	26	59	2.0	14.4	8.3	-	-	.8	1.1	1.5	8	168	260	20	20	-		-	*9
2	2	59	2.5	14.4	8.2	-	11.0	1.3	2.0	2.0	7	162	252	20	20	-		-	*9
2	9	59	2.0	14.4	8.4	-	-	1.0	2.3	1.7	9	162	220	20	20	-		-	*10
2	16	59	1.0	14.7	8.5	-	-	.9	2.2	2.0	13	166	232	20	20	-		-	*10
2	23	59	1.0	14.0	8.1	-	-	1.2	2.2	2.0	9	158	232	20	20	-		-	*10
3	2	59	3.0	13.5	8.0	-	9.4	1.1	2.3	1.7	13	166	260	20	20	-		-	10
3	9	59	2.0	13.5	8.3	-	-	1.0	2.9	1.5	7	174	248	20	20	-		-	*10
3	16	59	4.0	13.3	8.0	-	-	1.1	3.0	2.0	7	148	220	30	20	-		-	-
3	23	59	3.0	13.1	8.1	-	-	1.0	2.8	2.0	7	152	212	40	20	-		-	-
3	30	59	4.5	14.3	8.1	3.5	12.0	.9	2.4	2.0	7	138	176	30	20	-		-	*8
4	6	59	6.0	13.9	8.3	3.4	-	1.7	5.0	2.0	7	138	176	40	25	-		-	30
4	13	59	9.1	11.7	8.0	3.1	-	1.6	4.8	1.8	7	156	228	40	20	-		-	-
4	20	59	8.2	11.2	8.0	3.1	-	1.7	4.9	1.5	8	166	224	30	25	-		-	-
4	27	59	8.5	11.5	7.9	2.1	-	1.1	4.4	2.0	8	160	224	20	20	-		-	2
5	4	59	15.1	10.3	8.1	2.3	13.3	.8	3.9	2.0	8	170	208	30	25	-		-	-
5	11	59	14.0	9.9	7.9	2.3	-	1.5	3.8	1.7	9	162	228	40	30	-		-	17
5	18	59	14.5	10.6	8.5	2.4	-	1.8	3.8	1.5	7	162	212	50	30	-		-	45
5	25	59	16.5	9.5	8.4	2.6	-	1.6	3.7	1.2	8	160	224	30	25	-		-	11
6	1	59	18.0	8.9	8.2	2.8	-	1.6	3.9	1.5	9	158	224	50	50	-		-	27
6	8	59	20.8	7.6	8.2	3.0	-	1.8	3.8	1.5	10	150	208	50	20	-		-	37
6	15	59	22.5	7.8	8.1	3.2	-	2.0	4.1	1.5	9	150	212	40	20	-		-	-
6	22	59	21.9	7.5	8.4	3.5	-	1.6	4.4	2.0	9	160	232	50	25	-		-	14
6	29	59	22.2	7.5	8.4	3.5	-	.6	3.2	1.7	11	158	208	50	30	-		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE SOUTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN LOWER MISSOURI RIVER

STATION LOCATION MISSOURI RIVER M841 AT YANKTON, SOUTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	22.0	7.7	8.0	.7	-	.6	2.9	2.0	8	158	208	50	40	-		-	-
7	13	59	21.5	7.8	8.2	.9	16.3	.8	3.0	1.5	10	150	190	40	40	-		-	-
7	20	59	23.5	6.9	8.5	.5	-	.6	2.7	1.5	10	162	208	40	25	-		-	72
7	27	59	25.8	7.5	8.5	1.0	-	.5	2.2	2.0	8	160	208	50	25	-		-	34
8	3	59	25.5	6.7	8.5	1.2	-	.3	2.0	1.5	9	170	212	50	25	-		-	44
8	10	59	25.5	6.9	8.1	.7	-	1.0	2.9	1.5	9	168	212	50	25	-		-	-
8	17	59	25.5	6.9	8.1	.6	-	1.5	3.4	1.5	9	168	212	-	-	-		-	4
8	24	59	26.8	7.7	8.5	1.0	13.2	1.6	3.4	1.5	12	162	212	30	25	-		-	380
8	31	59	25.0	7.5	8.3	.5	-	2.0	5.8	1.5	9	168	200	30	25	-		-	8
9	8	59	23.2	8.3	8.2	1.0	-	1.6	5.5	1.5	9	166	228	30	25	-		-	68
9	14	59	21.5	7.3	8.2	.5	-	1.2	3.1	1.5	10	174	256	30	25	-		-	82
9	21	59	17.5	9.3	8.2	1.0	-	1.7	4.1	1.5	9	170	228	30	25	-		-	*20
9	28	59	18.5	8.5	8.4	1.0	-	1.5	4.0	1.5	9	162	224	30	25	-		-	24

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA
MAJOR BASIN MISSOUPI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER M1377.4 AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	58	10.0	9.4	-	1.3	6.4	-	3.4	-	10	-	-	-	-	218		375	-
10	6	58	12.2	-	8.2	-	-	-	-	-	-	152	202	18	37	-		-	220
10	9	58	12.0	9.2	-	1.2	5.8	1.0	2.9	-	8	-	-	-	-	179		375	-
10	14	58	12.2	-	8.3	-	-	-	-	-	-	150	198	13	45	-		-	76
10	15	58	12.0	9.4	-	1.0	6.3	.4	2.5	-	5	-	-	-	-	179		375	-
10	22	58	10.0	9.9	-	.8	7.3	.7	2.0	-	8	-	-	-	-	178		375	210
10	28	58	9.8	-	8.2	-	8.9	-	-	-	-	148	198	7	32	-		-	480
10	29	58	10.0	10.0	-	1.0	9.3	1.2	2.3	-	8	-	-	-	-	180		389	-
11	3	58	9.9	-	8.3	-	-	-	-	-	-	146	196	8	24	-		-	140
11	5	58	9.0	10.4	-	.7	8.7	.8	1.3	-	9	-	-	-	-	173		375	-
11	12	58	6.8	-	-	-	-	-	-	-	-	150	200	0	35	-		-	370
11	18	58	4.0	11.8	-	1.0	12.9	1.4	6.4	-	6	142	196	14	67	170		389	190
11	24	58	.3	-	-	-	10.4	-	-	-	-	148	200	14	93	-		-	-
11	26	58	2.0	13.0	7.8	2.0	10.6	1.8	5.5	-	8	-	-	-	-	180		384	310
12	2	58	.2	-	-	-	-	-	-	-	-	150	200	14	25	-		-	230
12	3	58	3.0	12.4	7.8	1.1	10.5	.9	5.6	-	7	-	-	-	-	170		364	-
12	8	58	.2	-	-	-	-	-	-	-	-	158	212	8	6	-		-	230
12	9	58	1.0	13.2	-	1.6	8.6	1.4	3.6	-	8	-	-	-	-	180		395	-
12	16	58	2.0	12.8	-	1.0	10.8	1.2	3.4	-	6	150	204	8	6	173		389	-
12	23	58	1.0	12.6	-	1.7	11.3	1.6	3.8	-	7	-	-	-	-	165		374	-
12	24	58	.2	-	8.2	-	-	-	-	-	-	144	198	-	7	-		-	-
12	30	58	.5	12.6	-	3.0	9.8	1.3	3.7	-	8	-	-	-	-	187		364	-
12	31	58	.2	-	-	-	-	-	-	-	-	128	202	-	8	-		-	-
1	6	59	1.0	12.7	-	1.3	9.5	1.8	3.0	-	6	130	204	15	7	185		384	21
1	13	59	.2	-	-	-	-	-	-	-	-	148	198	3	7	-		-	230
1	14	59	1.0	12.3	-	2.0	8.1	1.4	-	-	7	-	-	-	-	185		365	-
1	20	59	1.0	12.2	8.4	2.4	7.2	1.1	3.1	-	7	150	200	13	7	188		365	130
1	26	59	.2	-	8.4	-	-	-	-	-	-	156	212	8	3	-		-	-
1	27	59	1.0	12.6	-	1.7	-	1.6	3.4	-	7	-	-	-	-	188		394	60
2	3	59	.2	-	8.4	-	-	-	-	-	-	156	212	3	3	-		-	210
2	4	59	.5	12.7	-	2.2	6.8	1.6	4.0	-	8	-	-	-	-	190		298	-
2	10	59	.2	-	8.3	-	-	-	-	-	-	170	256	15	10	-		-	56
2	12	59	.5	12.5	-	2.0	8.6	1.7	3.5	-	5	-	-	-	-	195		395	-
2	17	59	.2	-	8.1	-	-	-	-	-	-	162	228	1	2	-		-	110
2	18	59	1.0	12.6	-	1.2	8.1	1.2	3.4	-	8	-	-	-	-	206		414	-
2	24	59	.2	-	8.1	-	-	-	-	-	-	166	224	8	5	-		-	56
2	25	59	2.0	12.6	-	1.2	10.9	1.3	3.6	-	8	-	-	-	-	207		281	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: NORTH DAKOTA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: MISSOURI-SOURIS RIVERS
STATION LOCATION: MISSOURI RIVER M1377.4 AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
3	3	59	.2	-	8.3	-	-	-	-	-	-	168	248	14	7	-		-	120
3	4	59	.6	12.8	-	1.0	8.5	1.6	4.1	-	8	-	-	-	-	206		411	-
3	10	59	2.0	12.4	-	1.5	13.3	-	4.1	-	9	-	-	-	-	210		384	260
3	17	59	.2	-	8.2	-	-	-	-	-	-	160	254	14	7	-		-	520
3	18	59	1.0	12.4	-	1.6	10.3	1.6	4.8	-	14	-	-	-	-	207		448	-
3	24	59	.2	-	8.3	-	-	-	-	-	-	140	184	18	120	-		-	90
3	25	59	.5	11.6	-	2.7	15.2	4.2	9.2	-	12	-	-	-	-	211		380	-
3	31	59	3.4	.0	8.3	-	-	-	-	-	-	170	236	30	110	-		-	36
4	1	59	3.5	12.4	-	2.2	16.6	2.7	6.6	-	11	-	-	-	-	203		446	-
4	7	59	11.2	-	8.2	-	-	-	-	-	-	170	230	12	110	-		-	360
4	14	59	5.5	-	8.2	-	-	-	-	-	-	172	220	8	42	-		-	72
4	15	59	6.2	11.6	-	2.2	-	2.5	6.4	-	10	-	-	-	-	233		448	-
4	21	59	10.2	-	8.3	-	-	-	-	-	-	164	232	20	35	-		-	10
4	22	59	5.6	12.0	-	2.3	10.6	1.4	-	-	10	-	-	-	-	215		436	-
4	28	59	9.2	-	8.3	-	-	-	-	-	-	170	244	8	95	-		-	80
4	29	59	6.9	11.6	-	1.7	10.1	1.2	3.8	-	7	-	-	-	-	232		449	-
5	5	59	5.2	-	8.3	-	-	-	-	-	-	168	236	8	53	-		-	190
5	6	59	5.1	12.1	-	1.7	4.6	1.5	4.0	-	10	-	-	-	-	224		528	-
5	12	59	7.2	-	8.3	-	-	-	-	-	-	178	234	3	37	-		-	70
5	13	59	7.0	11.5	-	1.3	8.4	.7	-	-	10	-	-	-	-	215		419	-
5	20	59	7.5	11.3	-	1.5	7.3	1.1	3.6	-	10	-	-	-	-	224		374	260
5	26	59	8.6	-	8.5	-	-	-	-	-	-	170	232	3	29	-		-	-
5	27	59	9.0	10.9	-	1.3	6.4	2.1	3.9	-	7	-	-	-	-	221		417	30
6	2	59	11.7	-	8.3	-	-	-	-	-	-	166	228	3	28	-		-	33
6	3	59	12.5	10.4	-	1.4	11.7	1.4	4.4	-	9	-	-	-	-	225		446	-
6	9	59	15.1	-	8.3	-	-	-	-	-	-	162	220	3	30	-		-	40
6	10	59	15.1	9.4	-	1.8	10.1	.7	5.4	-	8	-	-	-	-	220		400	-
6	16	59	16.8	-	8.3	-	-	-	-	-	-	228	166	8	25	-		-	100
6	17	59	18.0	9.2	-	1.3	7.3	.9	5.2	-	7	-	-	-	-	208		436	-
6	23	59	15.1	-	8.3	-	-	-	-	-	-	162	222	8	34	-		-	57
6	24	59	16.5	9.2	-	1.5	9.0	1.3	4.4	-	7	-	-	-	-	207		417	-
6	29	59	13.5	-	8.5	-	-	-	-	-	-	152	220	12	32	-		-	72

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER M1377.4 AT BISMARCK, NORTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	1	59	15.0	9.4	-	1.5	8.2	.6	3.2	-	6	-	-	-	-	174		376	-
7	7	59	18.8	-	8.3	-	-	-	-	-	-	158	212	8	36	-		-	40
7	8	59	18.5	8.6	-	-		.9	3.4	-	7	-	-	-	-	179		389	-
7	14	59	21.0	-	8.3	-	-	-	-	-	-	152	220	8	35	-		-	50
7	15	59	20.2	8.4	-	1.0	8.5	1.6	4.8	-	7	-	-	-	-	169		413	-
7	21	59	19.0	-	8.3	-	-	-	-	-	-	154	220	5	35	-		-	2?
7	22	59	20.0	8.3	-	1.0	8.0	1.8	4.6	-	7	-	-	-	-	180		394	-
7	28	59	21.2	-	8.3	-	-	-	-	-	-	160	224	4	33	-		-	16
7	29	59	20.0	8.4	-	1.3	8.6	.7	4.1	-	8	-	-	-	-	179		417	-
8	4	59	20.0	-	8.3	-	-	-	-	-	-	154	210	15	30	-		-	12
8	5	59	20.5	7.9	-	1.3	13.0	2.7	7.3	-	8	-	-	-	-	183		436	-
8	11	59	18.0	-	8.3	-	-	-	-	-	-	154	216	26	32	-		-	-
8	12	59	18.7	8.3	-	1.6	11.4	1.6	4.8	-	8	-	-	-	-	188		407	-
8	18	59	19.4	-	8.3	-	-	-	-	-	-	152	216	25	-	-		-	4
8	25	59	18.3	-	8.4	-	-	-	-	-	-	152	222	15	26	-		-	32
9	1	59	17.3	-	8.4	-	-	-	-	-	-	152	222	7	-	-		-	16
9	2	59	16.2	8.7	-	-	8.6	.4	2.7	-	8	-	-	-	-	180		621	-
9	8	59	17.3	-	8.4	-	-	-	-	-	-	154	218	10	34	-		-	350
9	9	59	16.5	8.8	-	1.4	10.7	.4	2.5	-	1	-	-	-	-	178		386	-
9	15	59	17.0	-	8.4	-	-	-	-	-	-	154	218	7	55	-		-	14
9	16	59	13.0	9.4	-	1.2	9.0	.5	3.6	-	8	-	-	-	-	175		379	-
9	22	59	15.5	-	8.5	-	-	-	-	-	-	152	214	4	50	-		-	140
9	23	59	15.0	9.1	-	1.0	7.9	1.6	-	-	8	-	-	-	-	166		335	-
9	29	59	10.2	-	8.5	-	-	-	-	-	-	150	214	16	53	-		-	230

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA
MAJOR BASIN MISSOURI RIVER
SUB BASIN MISSOURI-SOURIS RIVERS
STATION LOCATION MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	15	58	9.5	-	8.1	-	-	-	-	1.0	12	176	234	5	105	-		-	-
10	23	58	8.5	-	8.1	-	-	-	-	.5	11	174	256	5	200	-		-	6700
10	28	58	5.2	-	8.1	-	-	-	-	1.0	12	176	254	5	300	-		-	-
11	5	58	4.5	-	8.0	-	-	-	-	1.0	11	176	258	0	100	-		-	420
11	12	58	3.5	-	8.2	-	14.0	-	-	1.0	12	182	268	0	158	-		-	-
11	19	58	2.5	-	8.1	-	-	-	-	1.0	12	164	274	0	98	-		-	920
11	26	58	.5	-	8.0	-	-	-	-	.5	13	190	288	10	212	-		-	-
12	3	58	.5	-	8.0	-	-	-	-	.5	13	190	286	0	45	-		-	40
12	10	58	.5	-	7.9	-	11.4	-	-	.5	13	194	282	5	10	-		-	270
12	17	58	.5	-	8.0	-	-	-	-	.5	10	190	258	0	10	-		-	-
12	24	58	.4	-	7.9	-	-	-	-	.5	10	190	280	10	15	-		-	-
1	7	59	.4	11.8	7.9	1.4	-	1.2	3.8	2.0	13	198	300	5	15	-		-	520
1	14	59	.4	12.0	8.0	1.4	8.7	1.2	3.4	.5	12	195	280	5	15	-		-	370
1	21	59	.4	11.9	7.9	1.1	-	1.4	3.6	.5	13	200	304	0	38	-		-	3300
1	28	59	.4	12.0	8.0	1.2	-	1.4	3.2	.5	13	184	278	5	15	-		-	400
2	4	59	.4	12.4	8.0	1.2	-	1.2	3.0	.5	13	190	276	0	15	-		-	840
2	11	59	.4	12.1	8.0	-	-	-	-	.5	13	190	275	0	20	-		-	720
2	18	59	.4	-	7.9	-	-	-	-	-	12	184	268	5	26	-		-	680
2	25	59	.4	-	7.9	-	29.3	-	-	-	12	188	278	5	34	-		-	200
3	4	59	.4	-	8.0	-	-	-	-	-	13	182	276	0	42	-		-	480
3	11	59	1.0	-	8.0	-	-	-	-	-	13	142	200	15	122	-		-	4800
4	8	59	6.5	-	8.2	-	-	-	-	-	10	160	258	10	640	-		-	-
4	15	59	8.0	-	8.1	-	-	-	-	-	13	170	280	10	305	-		-	400
4	23	59	8.5	-	8.0	-	-	-	-	-	13	172	270	10	380	-		-	1100
4	29	59	8.5	-	8.0	-	-	-	-	-	13	170	260	5	310	-		-	600
-	6	59	10.0	-	8.1	-	-	-	-	-	12	168	262	5	430	-		-	880
5	14	59	-	-	-	-	25.6	-	-	-	-	-	-	-	-	-		-	1400
6	4	59	18.0	-	8.0	-	-	-	-	-	10	142	204	5	290	-		-	-
6	10	59	19.0	-	8.1	-	-	-	-	-	13	136	170	10	1500	-		-	-
6	15	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	700
6	24	59	20.0	-	8.0	-	-	-	-	-	8	90	110	10	790	-		-	380
7	1	59	16.5	-	8.2	-	-	-	-	-	5	98	116	5	1500	-		-	-
7	8	59	19.5	-	8.1	-	52.3	2.4	7.9	1.0	6	118	184	5	2200	-		-	3500
7	15	59	23.5	-	8.1	-	-	1.0	2.6	1.0	7	100	146	10	290	-		-	40
7	22	59	22.5	7.0	8.2	1.3	-	1.4	2.3	.5	7	118	150	0	162	-		-	540
7	29	59	22.0	6.5	8.2	.4	-	1.3	3.7	.0	8	130	174	20	164	-		-	410

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE NORTH DAKOTA

MAJOR BASIN MISSOURI RIVER

SUB BASIN MISSOURI-SOURIS RIVERS

STATION LOCATION MISSOURI RIVER AT WILLISTON, NORTH DAKOTA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1 HOUR mg/l	24-HOUR mg/l										
8	5	59	23.0	7.6	8.2	1.5	-	.7	3.2	.5	8	144	194	0	125	-		-	100
8	12	59	19.0	8.1	8.3	.9	-	1.0	4.5	.5	8	150	212	0	90	-		-	-
8	19	59	20.0	8.3	8.2	1.2	-	1.1	4.7	.5	9	158	218	0	158	-		-	25
8	26	59	19.0	7.6	8.3	1.4	-	.7	1.7	.5	9	158	220	0	78	-		-	40
9	2	59	14.5	9.0	8.3	1.5	-	1.1	5.0	.5	9	156	218	0	113	-		-	10
9	16	59	11.0	10.0	8.3	-	24.1	5.4	8.3	.5	9	168	242	5	171	-		-	40
9	30	59	8.0	11.3	8.2	1.2	-	1.5	3.8	.5	11	164	252	5	340	-		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ILLINOIS

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT CAIRO, ILLINOIS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	20.6	7.4	7.5	.6	-	1.0	4.8	1.0	18	81	125	-	85	-		-	9
10	14	58	20.0	8.4	8.1	.9	-	1.0	3.4	1.0	19	80	140	-	40	-		-	100
10	21	58	19.8	8.3	7.5	1.0	-	1.2	3.6	1.0	22	74	136	-	40	-		-	9
10	28	58	17.0	8.5	7.9	1.2	-	.8	3.0	1.0	22	75	130	-	30	-		-	*9
11	4	58	15.5	9.6	7.7	1.8	-	.8	3.0	2.0	18	80	120	15	35	-		-	*10
11	10	58	13.5	10.0	8.0	2.2	-	1.4	3.5	2.0	20	82	140	-	35	-		-	*10
11	17	58	15.1	9.0	7.7	1.5	-	1.6	4.2	2.0	19	80	140	-	68	-		-	*9
11	24	58	13.8	9.9	8.2	2.0	18.4	1.7	4.8	2.0	22	90	176	-	50	-		-	500
12	1	58	8.5	13.0	8.0	4.2	-	1.2	3.8	1.0	33	95	200	-	125	-		-	1000
12	8	58	6.1	11.3	8.0	2.4	-	1.0	6.2	1.0	28	95	200	-	120	-		-	1100
12	15	58	3.1	14.0	8.0	4.5	-	1.6	6.2	2.0	26	100	182	-	170	-		-	-
12	22	58	3.8	14.2	8.0	3.0	-	1.6	5.8	2.0	20	88	150	-	70	-		-	-
12	30	58	4.1	14.5	8.0	2.8	10.2	1.2	5.4	2.0	21	90	160	-	40	-		-	-
1	5	59	1.8	15.7	8.2	5.4	-	1.4	4.6	2.0	12	95	174	-	90	-		-	-
1	12	59	2.0	11.6	7.8	2.9	-	.9	4.5	7.0	22	85	195	-	50	-		-	*10
1	19	59	2.5	11.1	7.8	3.0	-	1.0	4.0	14.0	24	90	170	-	150	-		-	2000
1	26	59	3.8	9.3	7.6	5.2	75.0	1.8	5.6	2.0	10	60	128	-	1200	-		-	-
2	2	59	3.0	10.4	7.3	4.6	-	1.6	5.4	7.0	12	52	90	-	600	-		-	5900
2	9	59	2.9	11.1	7.3	3.8	-	1.6	6.0	2.0	90	71	110	-	350	-		-	2000
2	16	59	5.4	10.0	7.5	2.7	-	2.0	6.4	.7	14	64	135	-	425	-		-	1100
2	24	59	4.5	11.0	7.5	3.2	-	1.6	6.4	2.0	3	61	110	-	575	-		-	-
3	3	59	6.1	10.6	7.5	2.2	-	1.5	5.8	.3	11	78	136	-	200	-		-	460
3	10	59	6.8	10.8	8.0	1.7	-	1.6	5.0	1.0	9	86	160	-	140	-		-	-
3	16	59	7.2	10.5	8.0	2.0	-	1.2	5.0	2.0	14	98	176	-	220	-		-	200
3	23	59	8.0	10.4	7.8	2.8	-	1.0	4.6	1.5	11	96	170	-	230	-		-	-
3	30	59	10.0	9.8	7.8	2.2	-	1.0	4.5	1.0	12	88	150	-	125	-		-	470
4	6	59	12.8	9.0	8.0	1.5	13.8	1.0	4.6	1.0	12	90	162	-	160	-		-	660
4	13	59	12.6	9.0	7.8	2.0	-	.8	4.5	1.0	13	84	152	-	150	-		-	*9
4	20	59	13.8	8.5	7.8	2.1	-	.9	4.6	1.0	10	64	136	-	150	-		-	*9
4	27	59	15.1	9.0	7.8	2.2	-	1.0	4.2	1.0	9	66	116	-	160	-		-	-
5	4	59	19.8	7.0	8.0	2.0	25.0	.8	4.0	1.0	7	88	160	-	100	-		-	-
5	11	59	21.0	6.7	7.8	1.8	-	1.1	4.2	1.0	6	72	145	-	175	-		-	200
5	18	59	20.0	6.4	8.0	.8	-	.8	4.2	1.5	11	85	160	-	100	-		-	-
5	25	59	21.2	6.7	8.0	1.3	26.6	.6	3.4	1.0	12	80	150	-	110	-		-	-
6	1	59	24.4	6.5	8.4	.7	-	1.0	3.4	1.5	16	82	140	-	140	-		-	220
6	8	59	25.5	6.6	8.2	1.6	-	1.1	3.8	1.0	13	80	146	-	75	-		-	-
6	15	59	25.4	7.0	8.2	1.4	-	1.0	3.8	1.0	14	78	160	-	80	-		-	-
6	22	59	26.2	7.4	8.5	1.7	13.5	.8	4.0	1.5	11	80	132	-	65	-		-	320
6	29	59	28.4	7.6	8.0	1.4	-	.8	3.6	.0	12	86	136	-	50	-		-	1000

WATER QUALITY BASIC DATA

CHEMICAL. PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE ILLINOIS

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT CAIRO, ILLINOIS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	28.1	6.9	8.0	1.0	-	.6	3.4	.0	13	76	134	-	60	-		-	100
7	13	59	28.5	8.5	8.2	1.5	-	.8	3.6	1.0	10	75	130	5	20	-		-	*20
7	20	59	28.8	6.6	8.4	.8	12.2	.8	3.4	.0	11	75	120	-	25	-		-	-
7	27	59	28.5	7.8	7.1	1.4	-	.8	3.6	1.0	14	76	126	-	62	-		-	60
8	4	59	29.8	6.8	8.2	.6	-	.8	3.6	1.0	40	72	140	-	60	-		-	*20
8	10	59	27.0	5.6	7.9	1.2	-	.9	3.8	1.0	19	70	126	-	95	-		-	-
8	17	59	28.6	8.1	7.7	1.4	-	.8	4.1	1.5	20	64	120	-	40	-		-	*20
8	24	59	30.0	5.5	7.7	1.2	-	.8	3.4	1.0	18	57	94	-	35	-		-	-
9	1	59	29.5	6.3	7.8	1.0	-	.7	3.4	.5	12	62	110	-	45	-		-	20
9	8	59	29.2	6.2	7.9	1.0	-	.9	3.6	.0	15	66	132	-	20	-		-	-
9	14	59	25.9	7.6	7.7	1.2	-	.8	4.0	.0	17	60	110	-	25	-		-	*1000
9	21	59	24.8	9.4	7.4	1.3	-	.8	4.0	.5	19	65	120	-	26	-		-	*20
9	28	59	25.0	7.3	7.8	.8	8.2	.7	3.2	.5	15	57	92	-	30	-		-	*20

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: INDIANA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT EVANSVILLE, INDIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	20.2	9.9	8.1	-	-	-	-	1.4	36	82	172	-	28	130		-	5000
10	15	58	19.6	11.1	8.7	-	-	-	-	1.3	35	79	182	-	8	125		-	9100
10	20	58	19.4	10.3	8.8	-	-	.2	.7	.4	34	81	194	-	10	140		-	2000
10	27	58	15.9	10.0	8.5	-	12.3	.1	.5	.1	34	83	194	-	10	110		-	180
11	3	58	14.6	9.6	7.7	-	12.7	.0	.9	2.2	38	98	199	-	11	120		-	24000
11	10	58	12.5	11.1	7.9	-	-	.0	.3	2.5	29	97	200	-	17	140		-	4900
11	17	58	15.1	10.2	8.0	-	28.6	.1	.2	-	29	98	201	-	17	-		-	6200
11	24	58	12.9	10.2	7.9	2.2	-	.7	2.8	-	43	85	213	-	28	-		-	6500
12	1	58	8.7	-	7.8	-	-	.7	-	-	36	87	216	-	24	-		-	6000
12	8	58	5.9	10.9	7.8	3.0	-	.9	2.7	-	27	82	193	-	56	155		-	10000
12	15	58	1.8	11.6	7.6	-	-	.9	1.8	-	24	73	149	-	56	85		-	-
12	29	58	2.5	12.5	7.7	-	-	.9	1.8	4.7	22	77	170	-	12	116		-	-
1	12	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1900
1	19	59	2.2	11.4	7.7	-	-	.3	1.2	-	22	81	156	-	140	-		-	12000
1	27	59	2.2	9.4	7.5	-	-	1.0	-	-	17	68	108	-	675	-		-	10000
2	2	59	1.0	10.5	7.4	-	-	.6	7.0	-	10	40	100	-	230	-		-	6300
2	9	59	2.4	11.2	8.1	-	-	.9	6.5	-	12	62	120	-	147	-		-	-
2	16	59	5.6	10.0	7.8	-	-	.9	7.0	-	11	80	134	-	522	80		-	*33
2	26	59	5.4	10.5	7.7	1.7	-	1.4	6.2	-	11	52	113	-	114	85		-	2700
3	2	59	6.5	-	7.5	-	-	1.0	6.0	3.4	12	68	128	-	89	92		-	4700
3	10	59	6.7	-	7.4	-	14.5	.4	5.8	4.3	15	77	142	-	82	95		-	3900
3	16	59	6.0	10.5	7.5	-	4.1	.5	5.8	4.2	19	75	145	-	74	105		-	4800
3	25	59	8.3	10.4	7.2	-	9.8	1.0	5.0	2.8	15	61	128	-	62	95		-	-
3	30	59	9.8	8.2	7.2	1.7	9.0	1.9	4.4	2.2	14	65	138	-	33	95		-	2300
4	8	59	13.1	-	7.4	2.1	15.5	2.4	5.7	.4	16	65	123	-	76	70		-	3000
4	13	59	11.3	-	7.2	1.7	-	-	-	-	15	48	106	-	80	80		-	5500
4	23	59	12.7	-	7.2	-	-	2.0	8.0	-	12	45	90	-	120	75		-	-
4	29	59	15.5	8.4	7.4	.9	-	1.6	4.0	.9	14	60	108	-	82	60		-	6300
5	4	59	18.4	-	7.2	1.1	-	-	-	-	14	60	115	-	60	90		-	-
5	11	59	19.9	-	7.2	-	-	-	-	-	15	50	126	-	74	105		-	-
5	18	59	19.1	-	7.4	-	-	-	-	-	13	61	124	-	46	110		-	-
5	25	59	20.9	-	7.2	-	-	-	-	-	15	68	128	-	102	90		-	-
6	1	59	24.0	-	7.4	-	-	-	-	-	13	74	146	-	62	110		-	-
6	8	59	26.1	-	7.6	-	-	-	-	-	19	78	147	-	37	75		-	-
6	15	59	25.1	-	7.8	-	-	-	-	-	22	64	150	-	28	-		-	-
6	22	59	26.8	-	8.1	-	-	-	-	-	18	76	148	-	10	120		-	-
6	29	59	27.8	-	8.0	-	-	-	-	-	17	80	147	-	15	65		-	-
7	6	59	27.2	-	7.8	-	-	-	-	-	17	87	154	-	10	100		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE INDIANA

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT EVANSVILLE, INDIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	13	59	28.0	-	8.0	-	-	-	-	-	20	86	166	-	4	120		-	-
7	20	59	28.4	-	7.9	-	-	-	-	-	20	72	152	-	2	150		-	-
7	27	59	28.2	-	7.8	-	-	-	-	-	28	78	188	-	17	140		-	-
8	3	59	28.8	-	7.6	-	-	-	-	-	24	85	174	-	30	175		-	-
8	10	59	27.0	-	7.7	-	-	-	-	-	26	84	175	-	8	190		-	-
8	17	59	28.4	-	7.8	-	-	-	-	-	27	130	205	-	1	125		-	-
8	24	59	29.5	-	7.8	-	-	-	-	-	30	76	155	-	14	130		-	-
8	31	59	29.2	-	8.2	-	-	-	-	-	34	78	174	-	12	135		-	-
9	8	59	28.9	-	7.9	-	-	-	-	-	47	78	210	-	1	130		-	-
9	14	59	24.3	-	8.6	-	-	-	-	-	42	85	193	-	7	130		-	-
9	21	59	23.2	-	8.6	-	-	-	-	-	36	67	184	-	13	130		-	-
9	28	59	24.3	-	7.8	-	-	-	-	-	36	79	174	-	8	140		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER M510 AT CINCINNATI, OHIO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	58	20.4	7.4	7.4	.8	9.1	1.7	4.9	1.0	28	49	154	20	35	113		288	960
10	8	58	19.5	8.4	7.6	2.1	10.1	1.7	6.0	1.1	40	52	167	20	10	114		331	170
10	15	58	19.0	10.3	8.4	2.5	12.7	2.3	7.7	1.1	38	57	159	10	15	110		307	67
10	22	58	17.0	10.9	8.7	3.1	15.3	1.8	6.4	.5	35	60	177	10	15	124		308	1100
10	29	58	15.3	10.2	7.9	2.3	14.3	2.2	6.8	1.7	42	55	171	10	10	118		319	440
11	5	58	14.1	10.5	7.5	1.6	4.5	3.5	6.5	3.7	54	56	185	10	10	130		353	1800
11	12	58	12.4	10.5	7.3	1.4	6.1	5.7	9.4	3.0	64	53	194	10	15	152		392	330
11	18	58	15.1	10.6	7.5	3.5	12.7	5.6	10.4	2.6	55	59	193	20	25	133		353	940
11	26	58	12.5	9.7	7.3	2.3	4.6	4.6	-	2.9	48	40	190	10	20	157		366	1300
12	3	58	7.1	10.5	7.4	1.7	17.4	3.6	6.4	2.4	43	45	142	15	40	93		273	6000
12	10	58	3.2	10.9	7.3	2.7	18.1	6.0	10.8	3.9	36	45	133	20	80	87		243	6900
12	17	58	1.0	13.9	7.4	1.7	7.9	5.7	8.0	3.4	30	48	134	20	25	92		257	-
12	24	58	1.6	13.7	7.6	1.7	5.6	5.6	8.6	3.3	30	49	137	10	20	87		246	-
12	31	58	1.7	13.6	7.3	1.4	9.2	7.4	11.3	8.0	31	51	137	10	30	92		268	-
1	7	59	1.5	12.4	7.4	1.8	36.5	8.0	13.5	3.8	37	50	133	20	100	87		239	3500
1	14	59	1.0	13.7	7.4	1.5	5.2	7.2	13.3	4.4	41	59	153	20	40	93		285	2700
1	21	59	1.3	12.2	7.2	5.9	26.0	5.9	13.6	2.6	22	47	122	40	550	64		190	13000
1	28	59	1.1	11.6	7.3	2.1	36.7	4.6	10.0	2.0	15	29	73	40	350	43		126	3700
2	4	59	2.0	12.4	7.3	1.7	25.8	3.2	9.5	1.9	16	37	95	30	170	62		173	5000
2	11	59	3.7	11.9	7.3	1.8	48.1	3.5	7.2	2.1	24	49	110	40	350	45		170	13000
2	18	59	5.2	11.2	7.0	1.6	39.4	3.2	7.7	1.7	15	33	83	50	230	53		140	6100
2	25	59	3.5	12.0	7.3	1.5	6.9	2.5	4.8	1.9	18	34	97	40	150	62		172	7000
3	4	59	4.9	11.2	7.2	1.5	21.7	3.3	7.0	2.1	24	46	123	20	120	75		195	4800
3	11	59	5.6	10.4	7.3	6.2	27.4	3.3	7.7	2.0	27	47	122	20	110	76		201	7600
3	18	59	5.6	11.0	7.4	1.7	30.2	3.3	5.8	2.1	20	38	103	20	140	62		166	11000
3	25	59	7.0	11.0	7.2	1.7	15.5	2.5	5.7	1.6	20	36	106	20	100	67		215	5500
4	1	59	9.5	9.3	7.3	2.1	27.9	4.8	-	2.3	25	38	100	20	100	71		188	3000
4	8	59	10.7	9.4	6.9	.8	22.8	2.8	7.0	1.4	22	32	91	20	160	38		149	3600
4	15	59	10.3	9.6	6.9	1.0	24.2	2.9	6.8	.6	12	27	75	20	130	53		139	2900
4	22	59	12.4	8.8	7.0	1.6	34.8	2.5	6.0	1.1	12	32	77	20	130	64		140	1600
4	29	59	14.6	8.3	6.9	1.7	46.6	2.3	6.7	.9	15	35	90	20	120	58		172	780
5	6	59	17.6	6.9	7.0	1.7	16.1	3.2	8.0	.7	16	36	103	20	210	71		184	1100
5	13	59	20.6	6.9	7.1	1.8	30.0	2.8	6.7	.8	16	44	104	20	140	66		180	1700
5	20	59	18.8	6.8	7.1	1.4	23.1	2.8	8.7	1.0	16	42	102	20	210	64		235	920
5	27	59	22.6	8.2	7.3	2.1	11.9	1.7	7.6	.4	23	44	130	10	55	98		224	770
6	3	59	24.7	5.5	6.9	1.1	23.7	1.6	4.7	.3	30	44	132	10	95	83		230	1900
6	10	59	25.2	6.9	7.2	.6	13.3	1.1	3.7	.5	24	40	106	15	60	65		214	940
6	17	59	24.9	9.2	8.0	2.2	12.6	1.9	8.8	.3	25	48	116	10	30	70		212	-
6	24	59	25.4	8.1	7.4	1.8	9.9	1.6	5.2	.2	28	52	133	10	15	85		279	1000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: OHIO
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER-MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER M510 AT CINCINNATI, OHIO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	1	59	28.8	7.9	7.3	2.3	14.3	1.8	6.0	.2	43	51	169	10	45	123		365	*770
7	8	59	27.6	8.2	7.8	2.7	12.9	2.0	6.7	.0	53	52	191	20	50	147		-	170
7	13	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		342	220
7	22	59	28.8	7.8	7.7	1.5	7.0	2.0	5.4	.0	40	48	166	20	8	123		330	900
7	29	59	28.4	6.5	7.1	1.8	15.5	2.4	6.4	.5	45	55	171	10	85	115		329	200
8	5	59	28.2	7.3	7.4	1.8	6.9	2.2	6.5	.4	57	54	170	10	15	106		360	77
8	12	59	28.0	8.7	7.9	2.4	15.1	2.4	8.3	.4	60	57	180	10	9	120		325	6500
8	19	59	28.6	8.5	8.2	3.1	11.1	2.7	9.0	1.4	50	63	160	10	9	96		431	42
8	26	59	30.4	8.0	8.-	2.7	9.2	2.2	6.8	.0	46	68	158	20	7	94		357	260
9	2	59	29.1	6.4	7.8	3.1	6.8	3.6	7.7	1.8	56	63	188	10	5	112		357	2400
9	9	59	29.0	8.4	8.5	2.9	14.4	1.9	7.2	.0	54	55	183	20	20	138		357	100
9	16	59	24.8	9.5	8.9	3.2	14.6	2.1	7.6	.0	58	50	183	10	9	145		388	220
9	23	59	23.9	10.2	8.7	3.8	14.2	2.4	7.9	.0	62	43	171	10	10	134		369	220
9	30	59	24.0	7.9	8.6	3.3	.5	7.0	11.0	4.0	72	58	189	10	8	138		400	350

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: WEST VIRGINIA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	58	20.0	-	7.0	-	-	-	-	3.5	47	41	158	15	27	166		380	-
10	8	58	19.9	-	7.?	-	-	-	-	2.5	29	42	143	10	13	113		330	440
10	15	58	18.9	-	7.3	-	25.0	-	-	2.0	32	37	151	10	16	130		330	*10
10	22	58	18.4	-	7.3	-	-	-	-	2.0	42	41	162	10	9	137		340	190
10	29	58	16.3	-	7.2	-	-	-	-	3.0	52	39	178	5	11	211		370	1100
11	5	58	14.4	-	7.3	-	-	-	-	6.5	66	43	190	15	9	178		420	290
11	12	58	12.2	-	7.3	-	15.3	-	-	7.0	56	44	180	15	18	158		380	40
11	19	58	11.7	-	7.3	-	-	-	-	6.5	55	38	190	15	14	182		360	1300
11	26	58	13.2	-	7.2	-	-	-	-	8.0	42	32	168	20	18	144		340	510
12	3	58	7.2	-	7.2	-	-	-	-	5.0	36	36	132	25	16	110		280	390
12	10	58	2.7	-	7.1	-	8.5	-	-	5.0	29	36	122	20	51	115		280	4500
12	17	58	2.7	-	7.1	-	-	-	-	5.0	29	36	120	15	20	118		260	-
12	24	58	2.2	-	7.1	-	-	-	-	7.5	26	34	122	15	14	136		260	-
12	31	58	3.0	-	7.3	-	-	-	-	14.0	41	43	120	15	19	102		280	-
1	7	59	4.3	-	7.1	-	-	-	-	8.0	41	47	132	15	75	139		320	3500
1	14	59	2.2	-	7.2	-	18.0	-	-	8.5	33	37	129	30	13	144		340	2000
1	21	59	2.7	-	7.0	-	-	-	-	10.0	16	31	104	35	250	103		160	3500
1	28	59	2.2	-	6.8	-	-	-	-	3.5	13	23	62	35	250	53		150	1100
2	4	59	3.8	-	6.9	-	-	-	-	5.0	18	31	90	20	165	96		180	2500
2	11	59	5.1	-	7.1	-	18.2	-	-	8.0	19	35	98	35	135	96		180	5500
2	18	59	6.1	-	7.0	-	-	-	-	3.0	7	28	72	70	160	48		140	4400
2	25	59	3.3	-	7.1	-	-	-	-	5.0	19	38	106	20	110	101		150	4800
3	4	59	6.3	-	7.1	-	-	-	-	6.5	24	40	130	15	75	130		230	4800
3	11	59	5.9	-	7.1	-	20.5	-	-	5.0	18	34	98	20	75	72		200	5100
3	18	59	7.3	-	7.0	-	-	-	-	2.0	14	33	100	5	120	96		160	3300
3	25	59	8.4	-	7.0	-	-	-	-	5.0	17	31	98	10	95	84		180	1500
4	1	59	10.0	-	7.1	-	-	-	-	4.5	17	31	50	15	180	75		200	18000
4	8	59	11.5	-	7.2	-	-	-	-	4.5	15	24	68	10	105	69		180	4500
4	15	59	10.2	-	7.0	-	-	-	-	5.5	10	23	67	50	230	70		140	6200
4	22	59	12.7	-	7.5	-	-	-	-	2.0	15	29	80	15	37	96		120	900
4	29	59	15.4	-	7.3	-	-	-	-	4.5	22	35	99	15	65	101		220	1600
5	6	59	18.0	-	7.3	-	-	-	-	2.5	13	28	86	20	110	50		180	590
5	13	59	20.0	-	7.3	-	-	-	-	2.5	19	31	104	15	55	115		170	-
5	20	59	19.2	-	7.3	-	27.3	-	-	4.0	17	40	115	15	77	98		200	1400
5	27	59	22.8	-	7.3	-	-	-	-	2.0	6	22	112	5	33	91		220	2700
6	3	59	24.4	-	7.4	-	-	-	-	3.5	30	37	128	7	33	50		260	-
6	10	59	24.4	-	7.5	-	20.2	-	-	2.0	18	36	104	10	20	96		220	-
6	17	59	22.2	-	7.5	-	-	-	-	2.5	33	34	120	20	20	110		280	50
6	24	59	22.2	-	7.5	-	-	-	-	3.0	33	35	128	20	9	144		320	*100

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: WEST VIRGINIA
MAJOR BASIN: OHIO RIVER
SUB BASIN: OHIO RIVER MAIN STEM & MINOR TRIB.
STATION LOCATION: OHIO RIVER AT HUNTINGTON, WEST VIRGINIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	1	59	27.4	-	7.7	-	-	-	-	4.5	63	38	198	15	25	158		390	110
7	8	59	27.6	-	7.7	-	-	-	-	2.0	44	42	150	20	24	158		370	190
7	15	59	25.5	-	7.5	-	18.6	-	-	4.5	60	35	178	10	16	182		400	*10
7	22	59	26.6	-	7.8	-	-	-	-	3.0	56	43	162	10	17	139		300	*100
7	29	59	17.8	-	7.4	-	-	-	-	3.0	58	47	152	10	21	155		480	480
8	5	59	17.1	-	7.4	-	-	-	-	6.0	59	51	196	5	18	178		380	800
8	12	59	26.4	-	7.4	-	26.7	-	-	14.0	44	46	156	5	15	113		340	180
8	19	59	26.9	-	7.6	-	-	-	-	3.5	59	46	162	7	8	168		400	*9
8	26	59	26.9	-	7.4	-	-	-	-	12.0	70	49	198	10	6	187		460	340
9	2	59	27.2	-	7.7	-	-	-	-	6.0	57	34	174	3	18	302		410	-
9	9	59	28.1	-	7.3	-	-	-	-	12.0	83	36	186	5	9	156		460	-
9	16	59	23.7	-	7.4	-	-	-	-	4.0	72	38	208	10	9	185		480	620
9	23	59	22.8	-	7.7	-	15.2	-	-	2.5	60	47	178	5	21	182		400	140
9	30	59	24.4	-	7.8	-	-	-	-	3.0	62	41	170	10	17	158		370	10

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE OHIO

MAJOR BASIN OHIO RIVER

SUB BASIN OHIO RIVER-MAIN STEM & MINOR TRIB.

STATION LOCATION OHIO RIVER AT EAST LIVERPOOL, OHIO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
11	17	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	5300
11	24	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	10000
12	1	58	9.0	-	6.9	-	-	.8	.8	-	5	30	116	-	15	-		-	6300
12	8	58	6.0	-	6.8	-	-	.8	.8	-	5	30	120	-	16	-		-	8800
1	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	9800
1	26	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	14000
2	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	9600
2	9	59	3.0	-	7.1	-	-	1.2	1.2	-	3	30	90	8	38	-		-	10000
2	23	59	4.0	-	7.0	-	17.4	1.5	1.5	-	3	34	117	-	35	-		-	1700
3	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	7700
3	9	59	7.0	-	7.1	-	-	1.2	1.2	-	3	25	108	-	40	-		-	8700
3	16	59	9.0	-	7.3	-	-	1.6	1.6	-	6	31	104	-	140	-		-	12000
3	24	59	6.0	-	7.1	-	-	1.4	1.4	-	7	21	84	-	32	-		-	12000
3	31	59	9.0	-	8.5	-	-	1.5	1.5	-	10	40	86	-	52	-		-	6800
4	7	59	9.0	-	7.0	-	-	.9	.9	-	9	21	90	-	140	-		-	2900
4	13	59	9.0	-	6.2	-	-	1.0	1.0	-	9	20	86	-	24	-		-	5600
4	20	59	10.0	-	6.7	-	15.7	1.0	1.0	-	9	22	85	-	25	-		-	4000
4	28	59	15.0	-	7.1	-	-	1.0	-	-	8	30	86	-	24	-		-	16000
5	4	59	15.0	-	7.2	-	-	.9	.9	-	10	22	80	-	170	-		-	-
5	12	59	19.0	-	7.1	-	-	.9	.9	-	-	9	82	-	20	-		-	6500
5	18	59	20.0	-	6.9	-	12.6	.8	.8	-	10	21	84	-	22	-		-	5300
6	1	59	22.0	-	6.9	-	-	-	1.0	-	10	30	88	-	21	-		-	6000
6	8	59	28.0	-	6.8	-	-	1.0	1.0	-	10	26	132	-	15	-		-	3600
6	15	59	28.0	-	6.9	-	-	1.0	1.0	-	10	30	136	-	15	-		-	5600
6	29	59	27.0	-	6.9	-	26.2	1.0	1.0	-	2	42	124	-	16	-		-	5700
7	6	59	27.0	-	6.9	-	-	1.0	-	-	3	44	122	-	17	-		-	12000
7	13	59	27.0	-	6.9	-	-	1.0	-	-	4	30	124	-	14	-		-	3500
7	20	59	27.0	-	6.9	-	-	1.0	1.0	-	4	34	132	-	16	-		-	2900
8	10	59	28.0	-	6.8	-	21.2	1.0	1.0	-	4	30	142	-	15	-		-	5300
8	24	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	6700
9	1	59	29.0	-	6.9	-	-	1.0	1.0	-	4	30	168	-	30	-		-	4500
9	14	59	26.0	-	6.9	-	28.9	-	-	-	3	32	174	-	14	-		-	2200

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	15.6	8.4	9.1	4.0	17.3	3.8	6.0	.1	11	81	102	15	20	46		163	86
10	13	58	14.4	9.4	9.0	5.2	15.3	3.6	5.4	.1	11	89	116	15	16	45		185	-
10	20	58	14.4	8.8	8.7	4.4	7.9	2.7	5.4	.1	14	89	116	15	18	41		176	100
10	27	58	15.0	7.6	7.9	2.4	14.5	2.7	5.3	.4	12	86	104	15	17	48		165	-
11	3	58	11.1	9.2	8.1	2.4	10.8	2.7	3.6	.2	14	105	128	15	18	63		210	74
11	10	58	9.4	10.4	8.1	2.6	11.7	2.7	5.3	.3	14	89	116	15	18	49		184	60
11	17	58	12.2	8.8	8.1	.8	5.5	1.9	3.7	.3	12	96	118	15	12	38		182	74
11	24	58	8.3	11.2	8.3	2.2	7.9	1.9	4.1	.1	14	103	130	15	10	52		207	67
12	1	58	1.1	-	8.3	-	8.9	1.8	4.6	.3	11	85	122	15	12	44		178	990
12	8	58	.6	13.4	8.0	4.6	10.9	2.3	5.9	.9	12	63	98	15	12	29		160	2600
12	15	58	.6	14.0	8.2	3.5	9.5	1.9	4.1	.3	13	91	132	15	10	42		176	130
12	22	58	.6	14.7	8.5	3.6	11.4	1.7	5.7	.3	15	97	140	15	7	49		202	-
12	29	58	.0	14.5	8.6	3.6	5.3	1.5	3.6	.2	15	98	130	15	4	53		212	-
1	5	59	.0	11.9	7.7	11.9	41.0	2.0	4.7	1.5	12	49	74	50	170	24		105	2600
1	12	59	.0	13.6	8.0	3.5	13.6	3.6	7.6	1.3	9	83	130	20	14	47		189	220
1	19	59	.0	14.3	8.2	5.5	6.9	1.9	4.3	.6	13	81	128	15	7	43		193	140
1	26	59	.0	11.7	7.6	.6.8	27.6	4.4	9.8	2.3	7	49	90	40	400	30		149	-
2	2	59	.0	10.9	7.8	1.8	8.7	1.7	4.3	1.0	6	52	80	25	20	31		156	900
2	9	59	4.5	12.4	7.5	4.3	13.4	1.3	6.4	1.4	10	51	86	40	32	31		148	-
2	16	59	3.5	11.5	7.5	3.5	15.8	3.6	7.5	2.5	9	37	68	30	120	29		129	1500
2	23	59	2.5	12.9	7.5	3.9	7.8	1.7	2.6	.5	14	45	70	20	20	30		135	-
3	2	59	6.1	11.4	7.9	2.6	4.9	1.5	2.7	.2	13	57	88	20	8	31		136	-
3	9	59	5.0	11.0	7.6	4.4	21.3	4.0	7.3	.8	9	46	70	40	170	29		120	2900
3	16	59	5.5	11.4	7.8	2.6	6.6	2.4	3.9	.2	8	48	68	35	18	28		109	1300
3	23	59	6.5	10.5	7.9	2.5	7.8	1.8	4.6	.2	8	44	66	10	17	25		136	1000
3	30	59	8.0	9.2	8.1	1.0	5.4	1.4	3.4	.1	8	52	76	10	16	24		118	1800
4	6	59	11.0	9.2	7.7	1.4	13.7	4.2	7.2	.5	14	43	64	25	65	24		113	2600
4	13	59	9.0	9.7	7.7	2.3	5.1	2.6	5.8	.7	13	42	64	25	35	17		97	-
4	20	59	15.5	9.0	7.4	2.2	12.0	1.9	5.5	.5	14	39	68	10	35	23		94	1400
4	27	59	18.0	7.0	7.8	.6	8.1	2.3	6.0	.2	8	54	76	10	16	22		132	980
5	4	59	16.5	7.2	7.6	1.0	11.1	2.7	7.5	.4	7	39	58	25	55	20		108	-
5	11	59	18.0	7.8	7.8	1.0	6.2	2.0	5.9	.1	7	53	76	15	18	20		106	-
5	18	59	16.5	8.2	7.7	1.2	11.0	2.9	4.6	.5	10	46	68	25	35	26		110	1100
5	25	59	21.0	7.0	7.7	1.2	11.1	2.7	4.6	.6	9	55	74	10	100	22		105	2100
6	1	59	22.0	6.0	7.8	1.6	5.4	3.1	6.2	.6	22	64	84	5	16	24		116	500
6	8	59	22.0	7.0	7.7	1.2	15.2	4.7	7.7	.5	5	52	76	22	80	21		132	3400
6	15	59	22.0	7.4	8.0	2.0	6.3	4.8	6.8	.4	8	66	88	25	65	22		130	680
6	22	59	23.9	7.3	8.9	3.7	9.2	3.2	4.9	.1	6	78	98	17	23	-		-	600
6	29	59	31.0	5.1	7.9	1.8	9.6	2.3	3.9	.7	6	73	100	12	14	30		141	920

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT GREAT FALLS, MARYLAND

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	26.5	6.4	8.3	1.5	13.2	1.5	4.9	.4	7	82	110	7	16	37		136	170
7	13	59	24.4	5.9	8.0	1.9	11.2	1.3	5.3	.6	11	87	120	6	14	42		186	550
7	20	59	26.6	5.5	8.2	1.0	10.4	1.4	-	.7	9	92	112	7	18	35		160	1500
7	27	59	30.0	6.9	8.7	3.1	12.4	.9	6.4	.6	9	75	102	8	19	34		148	80
8	3	59	27.7	6.6	8.4	3.0	13.0	2.1	5.6	.3	12	77	108	9	16	49		178	57
8	10	59	25.6	5.0	7.7	.6	13.7	2.2	4.3	.7	11	74	102	8	43	34		168	6000
8	17	59	29.4	6.6	8.4	1.4	13.5	2.2	5.3	.6	12	86	126	12	14	41		188	-
8	24	59	25.6	6.2	7.5	4.8	14.8	3.1	10.5	1.2	9	64	96	25	85	27		136	-
8	31	59	27.5	5.8	8.2	.8	9.7	2.0	3.1	.7	15	80	110	10	13	38		165	-
9	7	59	27.0	6.1	8.4	1.4	-	-	-	-	-	77	104	15	10	35		169	920
9	14	59	22.5	7.6	8.4	2.0	11.3	-	-	.5	15	86	122	6	11	52		190	500
9	21	59	19.0	8.2	8.5	.2	5.9	2.2	4.5	.5	18	93	130	12	12	56		205	*200
9	28	59	26.5	7.2	8.1	2.8	8.7	2.7	4.3	.5	16	90	126	10	8	52		188	300

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	51
10	9	58	15.0	8.9	7.7	1.1	-	-	-	-	-	76	152	10	2	-		140	-
10	13	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	27
10	16	58	14.0	8.0	7.7	1.5	12.5	-	-	-	-	86	152	10	2	-		216	-
10	20	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	24
10	23	58	14.0	7.6	7.7	1.1	-	-	-	-	-	82	162	15	2	-		110	-
10	30	58	11.0	10.2	7.7	2.1	-	-	-	-	-	70	164	30	5	-		174	-
11	6	58	10.5	10.3	7.6	.5	-	-	-	-	-	86	140	20	6	-		184	20
11	17	58	-	-	-	-	15.9	-	-	-	-	-	-	-	-	-		-	#1
11	20	58	9.0	10.6	7.5	1.8	-	-	-	-	-	86	142	30	14	-		224	-
11	24	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	57
12	1	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	20
12	8	58	-	-	-	-	19.3	-	-	-	-	-	-	-	-	-		-	270
1	5	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	180
1	12	59	-	-	-	-	17.8	-	-	-	-	-	-	-	-	-		-	53
1	19	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	270
1	26	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2400
2	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	100
2	9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	72
2	16	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	540
2	23	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	40
3	2	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	87
3	5	59	5.0	10.9	7.0	1.0	-	-	-	-	-	48	82	20	10	-		110	-
3	9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	850
3	16	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	330
4	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	80
4	9	59	14.0	9.8	7.2	1.5	-	-	-	-	-	54	68	30	15	-		164	-
4	13	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	620
4	16	59	11.0	11.1	7.1	2.2	.1	-	-	-	-	32	60	30	45	-		98	-
4	20	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	240
4	23	59	14.0	9.6	7.1	2.6	-	-	-	-	-	40	76	15	15	-		72	-
5	4	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	300
5	11	59	-	-	-	-	11.9	-	-	-	-	-	-	-	-	-		-	90
5	18	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	180
5	21	59	20.0	7.8	7.1	1.7	-	-	-	-	-	36	60	-	65	-		106	-
5	25	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	620
6	8	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	360
6	15	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	700
6	22	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	210

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE MARYLAND

MAJOR BASIN NORTH ATLANTIC

SUB BASIN POTOMAC RIVER

STATION LOCATION POTOMAC RIVER AT WILLIAMSPORT, MARYLAND

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	29	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	350
7	8	59	24.4	-	7.4	-	-	-	-	-	-	68	86	-	10	-		-	260
7	13	59	-	-	-	-	15.[illegible]	-	-	-	-	-	-	-	-	-		-	170
7	20	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2200
7	23	59	28.0	10.9	7.4	1.0	-	-	-	-	-	68	122	15	12	-		-	-
7	27	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	180
7	30	59	28.0	9.3	7.5	5.2	-	-	-	-	-	82	126	20	8	-		298	-
8	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	170
8	6	59	25.0	7.3	7.8	2.0	-	-	-	-	-	74	124	15	8	-		212	-
8	10	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	230
8	13	59	25.0	-	8.1	-	15.8	-	-	-	-	68	116	15	12	-		-	-
8	31	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	550
9	14	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	73
9	17	59	19.0	6.6	7.6	1.0	18.9	-	-	-	-	80	134	5	2	-		228	-
9	21	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	90
9	24	59	20.0	6.0	7.5	1.0	-	-	-	-	-	74	134	5	2	-		238	-
9	28	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	73

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT ALEXANDRIA, LOUISIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	13	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2100
10	20	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1200
11	3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	6200
11	17	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	3700
12	1	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	12000
12	8	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1900
12	15	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	9800
1	5	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2100
1	8	59	-	-	8.1	-	23.7	6.0	16.0	2.2	144	138	221	40	34	67		511	-
1	12	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2900
1	19	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1200
1	26	59	9.0	-	7.7	-	22.2	5.3	14.9	1.8	99	86	168	30	120	44		345	15000
2	2	59	-	-	7.9	-	18.0	4.9	12.8	1.0	104	100	168	20	103	48		380	-
2	3	59	11.0	-	7.6	-	24.5	5.4	15.4	1.4	70	74	109	30	218	37		278	-
2	10	59	13.0	-	8.5	-	18.7	4.9	12.5	2.0	101	69	117	30	258	43		341	4200
2	16	59	-	-	8.2	-	16.2	5.7	14.3	1.4	109	77	136	30	143	46		371	-
2	23	59	13.0	-	8.0	-	20.8	6.4	16.9	1.6	51	58	75	30	445	12		182	7700
3	2	59	13.0	-	8.2	-	21.7	2.8	7.1	1.8	73	51	77	20	178	16		227	7300
3	10	59	13.0	-	7.8	-	19.6	3.0	8.8	1.6	56	61	83	30	285	19		212	5500
3	16	59	13.0	-	7.8	-	25.7	1.4	7.3	2.6	43	52	75	30	725	19		168	11000
3	24	59	13.0	-	8.1	-	20.6	2.6	4.9	1.2	40	51	68	30	270	17		167	7700
3	30	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	3400
4	6	59	-	-	7.9	-	18.2	2.5	6.6	1.2	76	56	100	30	195	42		278	8900
4	13	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	9000
4	27	59	-	-	8.3	-	21.8	2.2	4.8	1.0	54	61	84	30	340	25		205	-
5	4	59	25.0	-	7.6	-	23.6	2.2	3.9	2.2	42	57	70	30	180	17		181	2500
5	18	59	26.0	-	7.8	-	22.9	2.7	6.5	2.4	82	95	138	30	65	42		328	1600
5	25	59	26.0	-	7.7	-	20.5	2.0	4.6	1.8	33	79	89	30	415	18		174	-
6	3	59	-	-	8.1	-	19.7	1.4	2.4	1.2	31	64	73	30	300	11		159	4400
6	15	59	28.0	-	7.7	-	23.0	2.3	4.0	2.4	42	67	76	35	180	11		169	800
6	23	59	27.0	-	7.8	-	25.7	1.6	3.0	1.8	56	70	97	30	115	26		234	1000
6	29	59	-	-	8.4	-	25.2	1.0	2.3	1.6	79	92	132	30	98	41		326	1500
7	7	59	30.0	-	8.3	-	23.1	1.6	2.5	1.6	118	91	173	30	90	69		446	1200
7	15	59	30.0	-	7.7	-	20.8	1.9	2.9	1.8	89	98	136	30	178	57		379	-
7	20	59	-	-	7.8	-	18.6	1.0	2.0	2.2	138	131	195	20	43	90		553	-
7	27	59	28.0	-	7.8	-	26.0	.3	.8	2.0	81	86	133	20	700	55		342	8800
8	17	59	30.0	-	7.7	-	25.8	1.2	2.1	1.6	93	100	144	20	180	69		400	4000
8	24	59	28.0	-	7.7	-	23.2	.8	2.1	1.8	136	131	200	20	58	97		559	500

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE LOUISIANA

MAJOR BASIN SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN LOWER RED RIVER BELOW DENISON

STATION LOCATION RED RIVER AT ALEXANDRIA, LOUISIANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
9	1	59	30.0	-	8.1	-	73.7	.3	.8	2.6	237	148	304	15	17	173		904	3500
9	8	59	29.0	7.7	8.0	1.8	15.8	2.1	5.7	.4	274	141	364	10	25	181		915	730
9	14	59	25.0	7.0	7.7	1.0	28.6	1.7	5.5	.6	124	84	179	20	56	61		443	2300
9	21	59	26.0	7.2	7.8	2.0	9.6	2.2	5.3	.4	146	128	215	20	40	72		498	-
9	28	59	27.0	6.9	7.9	2.4	-	1.5	6.4	.4	153	175	251	20	40	76		567	2100

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: ARKANSAS

MAJOR BASIN: SOUTHWEST LOWER MISSISSIPPI

SUB BASIN: LOWER RED RIVER BELOW DENI..N

STATION LOCATION: RED RIVER AT INDEX, ARKANSAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
2	24	59	13.0	10.4	7.6	-	16.4	-	-	6.5	51	108	132	140	30	28		270	-
3	2	59	12.0	8.6	8.0	.7	11.5	-	-	.0	146	138	250	20	9	27		537	-
3	9	59	15.0	8.7	7.4	-	27.9	-	-	7.1	106	64	140	240	480	48		350	-
3	16	59	12.0	9.3	7.6	-	24.5	-	-	3.7	70	80	-	200	175	32		469	-
3	23	59	16.0	10.2	8.2	-	5.3	-	-	.3	290	104	300	120	114	180		864	-
3	31	59	16.0	7.4	8.1	-	3.1	-	-	21.4	155	72	174	120	168	36		523	-
4	8	59	22.0	8.9	8.0	-	26.7	-	-	1.8	85	88	144	200	330	72		392	-
4	13	59	17.6	9.9	8.2	1.1	25.4	-	-	.0	225	104	248	40	96	104		745	-
4	21	59	24.0	8.4	7.7	3.5	33.8	.6	2.5	2.4	85	94	144	200	168	72		414	-
4	27	59	21.0	8.5	7.7	1.8	26.7	3.8	6.0	1.5	75	80	166	140	102	83		480	-
5	4	59	26.0	8.3	7.9	2.5	25.9	2.2	5.1	1.0	132	118	290	25	18	120		770	-
5	11	59	24.0	8.1	8.2	.2	11.0	1.8	3.0	.3	186	158	308	10	24	132		772	-
5	19	59	25.0	7.0	7.4	1.7	24.9	1.5	2.5	8.6	32	76	80	23	78	76		264	-
5	27	59	27.2	7.5	8.0	2.1	11.1	4.6	10.4	.0	62	100	142	80	108	28		311	-
6	1	59	25.0	7.1	7.6	.9	11.0	2.7	6.5	6.1	36	70	88	75	84	26		140	-
6	9	59	25.0	7.6	7.7	3.3	10.4	.4	5.5	.0	162	132	248	30	28	73		683	-
6	16	59	28.0	6.9	8.0	2.6	34.6	2.6	6.6	1.2	156	132	220	30	32	80		648	-
6	23	59	28.0	7.7	8.1	4.8	9.5	2.1	6.6	.0	178	120	232	25	38	90		594	-
6	30	59	-	7.8	7.7	2.5	11.3	1.3	8.7	.0	145	52	190	35	89	80		470	-
7	6	59	29.0	6.8	-	.9	-	4.9	6.3	.0	224	-	202	100	90	94		617	-
7	13	59	29.0	7.3	8.0	2.1	-	4.9	6.2	.0	306	66	330	5	49	124		973	-
7	21	59	26.0	5.5	7.7	2.0	-	5.7	8.9	.0	70	50	118	220	190	-		317	-
7	28	59	27.0	6.8	7.7	1.3	4.5	3.5	8.9	.0	142	428	136	35	330	110		462	-
8	4	59	30.0	6.4	7.3	-	11.2	4.8	8.9	.0	110	55	170	20	48	81		360	-
8	10	59	28.0	8.1	7.7	2.4	23.7	.1	.5	.0	395	52	388	50	350	89		814	-
8	18	59	30.0	8.1	8.1	2.0	7.6	1.0	2.0	.0	440	57	346	55	228	86		992	-
8	25	59	28.0	7.4	8.1	2.0	33.2	.5	1.7	.0	375	58	340	60	310	84		1194	6600
9	1	59	27.0	7.4	8.3	1.5	15.2	-	-	.0	371	50	405	40	408	86		1007	-
9	8	59	28.0	7.1	7.6	1.6	-	.8	1.6	.0	410	68	375	26	355	100		998	270
9	22	59	27.0	7.7	8.1	3.5	-	-	-	.0	300	70	344	15	50	0		828	*200
9	28	59	28.0	9.1	8.4	3.2	-	-	-	.0	335	34	348	25	820	0		1006	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: TEXAS

MAJOR BASIN: SOUTHWEST-LOWER MISSISSIPPI RIVER

SUB BASIN: LOWER RED RIVER BELOW DENISON

STATION LOCATION: RED RIVER AT DENISON, TEXAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
2	3	59	7.2	-	-	-	-	-	-	-	-	114	340	-	-	-		-	*3
2	9	59	7.2	-	-	-	-	-	-	-	-	113	350	-	15	-		-	*3
2	18	59	8.9	-	-	-	-	-	-	-	-	116	400	-	15	-		-	20
3	2	59	8.3	-	7.9	-	-	-	-	-	-	118	450	-	15	-		-	*3
3	10	59	8.9	-	7.9	-	-	-	-	-	-	116	429	-	15	-		-	*3
3	17	59	10.5	-	7.8	-	-	-	-	-	-	121	439	-	15	-		-	*3
3	25	59	11.1	-	7.9	-	-	-	-	-	-	118	418	-	15	-		-	*3
3	31	59	11.7	-	8.0	-	-	-	-	-	-	118	377	-	15	-		-	-
4	7	59	12.8	-	7.9	-	-	-	-	-	-	118	376	-	15	-		-	-
4	14	59	13.9	-	8.0	-	-	-	-	-	-	119	398	-	15	-		-	*3
4	27	59	15.6	-	8.1	-	-	-	-	-	-	118	398	-	15	-		-	-
5	12	59	18.3	-	7.8	-	-	-	-	-	-	120	408	-	15	-		-	30
5	19	59	18.3	-	7.7	-	-	-	-	-	-	130	398	-	15	-		-	*4
5	26	59	18.3	-	7.6	-	-	-	-	-	-	136	376	-	15	-		-	10
6	9	59	21.1	-	7.6	-	-	-	-	-	-	114	398	-	15	-		-	3
6	17	59	21.1	-	7.6	-	-	-	-	-	-	126	387	-	15	-		-	3
6	23	59	21.1	-	7.6	-	-	-	-	-	-	114	398	-	15	-		-	33
6	29	59	22.2	-	7.6	-	-	-	-	-	-	118	408	-	15	-		-	230
7	6	59	23.9	-	7.6	-	-	-	-	-	-	122	408	-	15	-		-	21
7	21	59	25.0	-	7.6	-	-	-	-	-	-	118	403	-	15	-		-	7
7	27	59	25.6	-	7.6	-	-	-	-	-	-	122	395	-	15	-		-	15
8	4	59	26.1	-	7.6	-	-	-	-	-	-	120	408	-	15	-		-	7
8	24	59	26.1	-	7.6	-	-	-	-	-	-	118	419	-	15	-		-	3
9	1	59	26.1	-	7.4	-	-	-	-	-	-	118	408	-	15	-		-	*330
9	8	59	26.1	-	7.6	-	-	-	-	-	-	112	418	-	15	-		-	3
9	15	59	25.0	-	7.8	-	-	-	-	-	-	110	418	-	15	-		-	30
9	22	59	25.5	-	7.8	-	-	-	-	-	-	102	419	-	15	-		-	13
9	29	59	25.5	-	7.8	-	-	-	-	-	-	112	419	-	15	-		-	3

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: TEXAS
MAJOR BASIN: WESTERN GULF
SUB BASIN: LOWER RIO GRANDE BELOW PECOS
STATION LOCATION: RIO GRANDE RIVER AT LAREDO, TEXAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	7	58	23.0	-	7.9	-	-	-	-	-	28	105	196	-	8200	164		-	28000
10	14	58	23.5	-	8.0	-	-	-	-	-	21	110	170	-	4600	89		-	9000
10	21	58	24.0	-	8.1	-	-	-	-	-	39	137	240	-	2800	127		-	7000
10	28	58	21.0	-	8.1	-	-	-	-	-	37	139	204	-	2900	115		-	16000
11	4	58	16.0	-	8.1	-	-	-	-	-	35	126	231	-	7000	150		-	4000
11	11	58	20.8	-	8.3	-	-	-	-	-	55	164	280	-	1160	145		-	5600
11	18	58	21.0	-	8.3	-	-	-	-	-	68	168	294	-	490	160		-	10000
11	25	58	19.5	-	8.2	-	-	-	-	-	72	169	300	-	300	172		-	-
12	2	58	13.5	-	8.2	-	-	-	-	-	78	153	290	-	210	185		-	1100
12	9	58	15.5	-	8.1	-	-	-	-	-	82	148	292	-	85	164		-	3900
12	16	58	10.8	-	8.1	-	-	-	-	-	84	156	302	-	58	170		-	670
1	6	59	8.5	-	8.1	-	-	-	-	-	92	160	308	-	47	166		-	2000
1	13	59	14.0	-	8.2	-	-	-	-	-	96	157	314	-	39	180		-	660
1	20	59	17.0	-	8.1	-	-	-	-	-	94	153	300	-	34	187		-	*7
1	27	59	14.0	-	8.2	-	-	-	-	-	94	158	294	-	36	156		-	320
2	3	59	11.0	-	8.1	-	-	-	-	-	94	147	296	-	38	156		-	770
2	10	59	15.0	-	8.3	-	-	-	-	-	98	152	300	-	43	145		-	550
2	17	59	18.0	-	8.2	-	-	-	-	-	105	152	296	-	30	160		-	160
2	24	59	15.0	-	8.2	-	-	-	-	-	105	151	300	-	25	164		-	180
3	3	59	17.5	-	8.2	-	-	-	-	-	110	147	300	-	30	175		-	220
3	10	59	19.0	-	8.2	-	-	-	-	-	115	148	298	-	30	167		-	240
3	17	59	17.0	-	8.2	-	-	-	-	-	115	142	294	-	35	156		-	140
3	24	59	18.0	-	8.2	-	-	-	-	-	120	143	298	-	200	168		-	51
3	31	59	22.0	-	8.2	-	-	-	-	-	120	140	290	-	32	160		-	34
4	7	59	23.0	-	8.2	-	6.4	-	-	-	120	140	290	-	42	162		-	220
4	14	59	17.5	-	8.3	-	-	-	-	-	110	144	288	-	74	145		-	220
4	21	59	24.0	-	8.2	-	-	-	-	-	110	141	276	-	55	148		-	450
4	28	59	25.1	-	8.2	-	10.3	-	-	-	115	133	272	-	74	169		-	100
5	5	59	26.0	-	8.2	-	-	-	-	-	110	135	282	-	165	160		-	400
5	12	59	27.2	-	8.2	-	-	-	-	-	110	131	304	-	205	203		-	760
5	19	59	23.0	-	8.2	-	11.4	-	-	-	145	139	276	-	380	147		-	3200
5	26	59	27.0	-	8.3	-	-	-	-	-	88	139	226	-	2200	128		-	3300
6	2	59	27.5	-	8.3	-	-	-	-	-	98	143	254	-	430	135		-	730
6	9	59	29.0	-	8.3	-	-	-	-	-	100	135	284	-	820	171		-	11000
6	16	59	29.0	-	8.3	-	49.2	-	-	-	125	138	284	-	1300	171		-	2500
6	23	59	28.5	-	8.3	-	-	-	-	-	110	131	262	-	290	142		-	170
6	30	59	27.5	-	8.3	-	-	-	-	-	27	98	130	-	1200	52		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: TEXAS
MAJOR BASIN: WESTERN GULF
SUB BASIN: LOWER RIO GRANDE BELOW PECOS
STATION LOCATION: RIO GRANDE RIVER AT LAREDO, TEXAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	7	59	29.5	-	8.3	-	-	-	-	-	100	121	251	-	78	165		-	450
7	14	59	29.0	-	8.3	-	65.2	-	-	-	60	131	258	-	6000	185		-	10000
7	21	59	29.0	-	8.3	-	-	-	-	-	64	129	224	-	3000	132		-	-
7	28	59	29.0	-	8.3	-	-	-	-	-	100	126	234	-	7600	132		-	12000
8	4	59	29.5	-	8.3	-	-	-	-	-	90	131	244	-	1450	145		-	1300
8	11	59	31.0	-	8.3	-	18.8	-	-	-	94	121	209	-	270	105		-	120
8	18	59	29.0	-	8.4	-	-	-	-	-	90	97	212	-	35	153		-	40
8	25	59	28.8	-	8.3	-	-	-	-	-	88	120	240	-	200	160		-	1300
9	2	59	29.5	-	8.3	-	-	-	-	-	36	115	216	-	11200	145		-	4500
9	8	59	27.5	-	8.3	-	-	-	-	-	30	116	190	-	11600	172		-	7100
9	15	59	26.1	-	8.3	-	-	-	-	-	34	135	180	-	3800	102		-	3700
9	22	59	28.0	-	8.3	-	-	-	-	-	52	152	233	-	780	145		-	2200
9	29	59	29.0	-	8.3	-	14.4	-	-	-	64	121	238	-	450	160		-	1100

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: TEXAS
MAJOR BASIN: WESTERN GULF
SUB BASIN: UPPER RIO GRANDE ABOVE PECOS
STATION LOCATION: RIO GRANDE RIVER AT EL PASO, TEXAS

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	20.9	8.5	8.3	2.9	-	2.7	5.9	-	80	222	350	-	700	160		694	-
10	13	58	21.0	8.5	8.3	2.7	10.2	1.9	5.7	-	240	220	434	-	240	219		1330	-
10	20	58	18.2	8.0	8.7	2.3	-	1.9	5.9	-	177	224	420	-	350	208		1069	48000
10	27	58	18.6	8.5	8.1	1.6	-	2.6	3.9	-	259	239	468	-	39	276		1449	-
3	9	59	27.2	8.2	8.2	2.3	-	1.3	3.9	-	72	179	230	-	1480	108		632	-
3	16	59	27.0	9.2	8.0	2.4	-	2.1	4.4	-	72	171	214	-	710	132		635	5000
3	23	59	19.2	8.3	8.0	1.1	-	2.4	4.5	-	82	163	222	-	430	180		643	4700
3	30	59	23.0	8.4	8.0	1.3	-	2.0	4.3	-	91	170	222	-	510	132		684	7300
4	6	59	20.0	8.5	7.9	1.4	-	2.3	4.4	-	94	170	232	-	380	180		689	1400
4	13	59	19.0	8.8	8.1	1.2	20.5	2.6	4.9	-	121	175	226	-	420	180		867	8000
4	20	59	20.1	7.9	8.1	1.5	-	1.5	4.1	-	176	185	228	-	145	230		1018	3700
4	27	59	20.3	7.6	7.9	1.7	-	1.6	4.4	-	147	170	224	-	210	154		846	6700
5	4	59	19.0	8.5	7.9	1.4	-	1.5	4.2	-	157	176	252	-	180	160		830	1100
5	11	59	20.6	7.7	8.0	1.6	18.3	1.9	5.0	-	158	179	258	-	150	158		875	2700
5	18	59	22.0	7.6	8.1	.3	-	1.8	4.5	-	136	178	230	-	180	-		769	77
5	25	59	23.0	7.8	8.1	1.9	-	1.9	4.7	-	136	176	234	-	165	158		834	5400
6	1	59	26.0	6.9	8.0	1.8	-	1.8	4.7	-	145	174	238	-	150	158		854	3000
6	8	59	28.0	7.0	7.8	1.1	-	1.9	4.6	-	136	174	244	-	165	160		848	6300
6	15	59	27.0	6.2	7.9	1.2	-	1.9	4.7	-	103	163	254	-	190	140		663	3100
6	22	59	32.0	6.2	8.1	1.3	-	2.1	5.1	-	128	165	266	-	210	175		767	4000
6	29	59	28.0	7.8	8.1	.7	-	1.8	4.8	-	108	161	244	-	195	180		670	1000
7	6	59	28.0	6.5	8.1	1.2	-	1.8	4.7	-	135	164	236	-	850	167		873	2700
7	13	59	29.0	5.9	8.2	1.3	14.5	1.3	3.9	-	156	162	240	-	205	152		848	2200
7	20	59	28.0	7.9	8.3	1.5	-	1.5	4.2	-	148	160	236	-	195	156		843	6300
7	27	59	29.0	6.4	8.1	1.2	-	2.1	5.6	-	147	165	251	-	210	160		797	*250
8	3	59	30.0	6.1	8.2	1.3	-	1.7	4.5	-	149	162	253	-	175	158		801	13000
8	10	59	29.0	6.0	8.2	1.3	-	1.9	4.7	-	114	161	216	-	270	146		748	21000
8	17	59	29.0	6.0	8.2	1.2	-	2.0	5.2	-	86	159	188	-	1500	150		655	7300
8	24	59	25.0	6.3	8.1	1.3	-	1.3	4.1	-	139	158	249	-	2500	259		898	11000
8	31	59	28.0	6.6	8.0	1.4	-	1.7	4.2	-	121	158	250	-	1500	254		772	13000
9	7	59	26.5	6.3	7.9	1.2	-	1.3	3.9	-	92	164	259	-	750	157		656	1800
9	14	59	24.0	7.5	8.3	1.6	-	1.1	4.5	-	153	188	244	-	265	178		989	1800
9	21	59	25.0	7.8	8.0	1.4	-	1.8	4.7	-	240	198	236	-	85	224		1491	2000
9	29	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	12000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: GEORGIA
MAJOR BASIN: SOUTHEAST
SUB BASIN: SAVANNAH RIVER
STATION LOCATION: SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	.0	-	7.3	-		-	-	-	2	22	19	10	-	4		-	800
10	13	58	-	-	6.7	-		-	-	-	59	28	25	7	56	6		122	2800
10	20	58	.0	-	6.8	-		-	-	-	3	21	24	5	-	2		-	2700
10	24	58	20.3	8.1	7.2	.7		-	-	-	8	20	17	30	52	7		49	-
10	27	58	-	-	7.2	-		-	-	-	38	36	36	9	67	33		122	8100
11	3	58	-	-	7.2	-		-	-	-	2480	44	834	5	56	350		5070	320
11	10	58	-	-	-	-		-	-	-	-	-	-	-	-	-		-	6800
11	17	58	-	-	6.9	-		-	-	-	996	31	354	5	53	120		2070	1300
11	21	58	18.6	8.2	7.0	1.1		-	-	-	8	20	17	20	30	5		49	-
12	8	58	-	-	6.9	-		-	-	-	29	24	26	7	55	17		54	-
12	10	58	8.3	9.3	6.6	.6		-	-	-	11	18	17	25	52	4		52	-
12	15	58	-	-	6.8	-		-	-	-	3	28	17	9	55	7		-	-
12	29	58	-	-	6.7	-		-	-	-	421	28	153	11	200	18		764	-
1	5	59	-	-	6.8	-		-	-	-	4	18	19	12	84	6		-	4100
1	12	59	-	-	-	-		-	-	-	-	-	-	-	-	-		-	800
1	19	59	-	-	7.0	-		-	-	-	9	29	24	10	5	12		80	2200
1	23	59	9.7	10.7	6.4	1.1		-	-	-	9	16	18	30	67	4		53	-
1	26	59	-	-	7.4	-		-	-	-	11	41	32	-	-	-		-	2400
2	2	59	-	-	7.0	-		-	-	-	5	36	24	-	-	-		-	1600
2	9	59	-	-	-	-		-	-	-	-	-	-	-	-	-		-	6200
2	16	59	-	-	6.8	-		-	-	-	-	17	16	-	-	-		-	770
3	2	59	-	-	6.6	-		-	-	-	-	26	24	-	-	-		-	3000
3	16	59	-	-	6.8	-		-	-	-	6	36	32	35	27	8		60	210
3	20	59	13.1	8.6	6.5	1.1		-	-	-	9	14	17	65	52	7		61	-
3	23	59	-	-	6.9	-	69.9	-	-	-	5	24	20	40	35	20		34	2600
3	30	59	-	-	6.8	-		-	-	-	5	19	16	-	-	-		-	590
4	6	59	-	-	-	-		-	-	-	-	-	-	-	-	-		-	840
4	13	59	-	-	-	-		-	-	-	-	-	-	-	-	-		-	200
4	17	59	18.3	7.7	6.9	1.1		-	-	-	7	18	18	70	118	5		62	-
4	20	59	26.7	6.6	6.8	1.1		-	-	-	7	18	17	30	128	2		57	2700
4	28	59	-	-	-	-		-	-	-	-	-	-	-	-	-		-	1100
5	4	59	-	-	-	-		-	-	-	-	-	-	-	-	-		-	2700
5	11	59	-	-	-	-		-	-	-	-	-	-	-	-	-		-	800
5	18	59	-	-	-	-		-	-	-	-	-	-	-	-	-		-	2200
5	25	59	-	-	-	-		-	-	-	-	-	-	-	-	-		-	570
5	29	59	24.4	6.3	7.1	.9		-	-	-	7	19	18	60	67	6		63	1200

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: GEORGIA
MAJOR BASIN: SOUTHEAST
SUB BASIN: SAVANNAH RIVER
STATION LOCATION: SAVANNAH RIVER AT PORT WENTWORTH, GEORGIA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	8	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1800
6	15	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	640
6	22	59	-	-	-	-	28.3	-	-	-	-	-	-	-	-	-		-	1700
6	29	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1600
7	6	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	4900
7	13	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	11000
7	17	59	26.7	6.6	6.8	1.1	-	-	-	-	7	18	17	30	128	2		-	-
7	20	59	-	-	-	-	20.6	-	-	-	-	-	-	-	-	-		-	2400
7	27	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2100
8	3	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	5800
8	10	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1400
8	17	59	-	-	-	-	15.6	-	-	-	-	-	-	-	-	-		-	2400
8	23	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	170
8	31	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	40000
9	8	59	-	-	-	-	23.0	-	-	-	-	-	-	-	-	-		-	1500
9	14	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	4500
9	21	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	11000
9	25	59	24.2	6.7	7.1	1.8	-	-	-	-	7	16	17	40	-	3		64	-
9	28	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	16000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: SOUTH CAROLINA
MAJOR BASIN: SOUTHEAST
SUB BASIN: SAVANNAH RIVER
STATION LOCATION: SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	-	-	7.0	-	7.3	-	-	-	4	16	12	-	10	-		-	140
10	20	58	20.0	-	7.0	-		-	-	-	4	16	14	-	7	-		-	220
10	27	58	18.9	-	7.1	-		-	-	-	6	15	14	-	7	-		-	80
11	3	58	17.7	-	-	-	12.2	-	-	-	5	15	12	-	7	-		-	120
11	10	58	17.7	-	7.1	-		-	-	-	5	15	12	-	5	-		-	50
11	17	58	18.8	-	7.1	-		-	-	-	5	15	12	-	5	-		-	45
11	24	58	17.7	-	7.1	-		-	-	-	5	15	12	-	5	-		-	180
12	1	58	13.3	-	7.1	-		-	-	-	5	16	12	-	7	-		-	140
12	8	58	13.3	-	7.1	-		-	-	-	5	16	12	-	7	-		-	45
12	15	58	10.0	-	7.1	-		-	-	-	5	16	13	-	7	-		-	-
12	22	58	10.0	-	7.1	-		-	-	-	5	15	12	-	5	-		-	-
12	29	58	11.1	-	7.0	-		-	-	-	5	15	12	-	9	-		-	-
1	5	59	8.8	-	7.1	-		-	-	-	5	18	16	-	7	-		-	25
1	12	59	9.8	-	7.1	-		-	-	-	5	16	14	-	7	-		-	25
1	19	59	7.7	-	7.1	-	5.8	-	-	-	5	16	14	-	10	-		-	90
1	26	59	10.0	-	7.1	-		-	-	-	5	16	14	-	45	-		-	320
2	2	59	10.0	-	7.1	-		-	-	-	5	16	14	-	50	-		-	59
2	9	59	11.1	-	7.1	-		-	-	-	5	16	14	-	50	-		-	2800
2	16	59	12.2	-	7.1	-	16.6	-	-	-	5	16	14	-	45	-		-	35000
2	23	59	11.1	-	7.1	-		-	-	-	5	18	14	-	20	-		-	67000
3	2	59	11.1	-	6.9	-		-	-	-	5	14	12	-	15	-		-	390
3	9	59	11.1	-	6.9	-		-	-	-	5	16	14	-	55	-		-	23000
3	16	59	12.2	-	6.9	-		-	-	-	5	16	14	-	15	-		-	230
3	23	59	13.3	-	6.7	-		-	-	-	5	16	12	-	25	-		-	70
3	30	59	12.2	-	6.8	-		-	-	-	5	16	20	-	17	-		-	1000
4	6	59	16.6	-	6.9	-	13.4	-	-	-	-	15	20	-	25	-		-	-
4	13	59	15.5	-	6.9	-		-	-	-	5	17	17	-	15	-		-	-
4	20	59	17.7	-	7.1	-		-	-	-	5	16	15	-	15	-		-	-
4	27	59	17.7	9.5	7.1	-		-	-	-	5	16	9	-	15	-		-	250
5	4	59	20.0	9.1	7.0	-	15.3	-	-	-	5	16	10	*	10	-		-	*1
5	11	59	18.8	9.5	7.0	-		-	-	-	5	14	12	-	10	-		-	280
5	18	59	18.8	9.5	6.9	-		-	-	-	5	15	12	-	10	-		-	20
5	25	59	18.8	9.5	6.9	-		-	-	-	5	15	13	-	150	-		-	13000
6	2	59	18.8	9.5	6.8	-		-	-	-	5	16	15	-	30	-		-	500
6	8	59	18.8	9.5	6.8	-		-	-	-	5	13	14	-	20	-		-	100
6	29	59	24.4	8.5	6.9	-	10.3	-	-	-	5	15	13	-	40	-		-	73

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: SOUTH CAROLINA
MAJOR BASIN: SOUTHEAST
SUB BASIN: SAVANNAH RIVER
STATION LOCATION: SAVANNAH RIVER AT NORTH AUGUSTA, SOUTH CAROLINA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	6	59	23.3	8.6	6.9	-	-	-	-	-	5	15	12	-	15	-		-	60
7	13	59	23.3	8.6	6.8	-	-	-	-	-	5	15	12	-	20	-		-	100
7	20	59	24.4	8.5	6.7	-	-	-	-	-	5	14	15	-	45	-		-	800
7	27	59	24.4	8.5	6.7	-	-	-	-	-	5	15	13	-	10	-		-	110
8	3	59	25.5	8.3	7.0	-	-	-	-	-	5	15	12	-	15	-		-	400
8	10	59	25.5	8.3	6.7	-	-	-	-	-	5	15	11	-	10	-		-	55
8	18	59	24.4	8.5	6.9	-	-	-	-	-	5	15	12	-	15	-		-	70
8	24	59	26.6	8.2	7.1	-	-	-	-	-	5	16	12	-	10	-		-	18
9	1	59	25.5	8.3	6.9	-	-	-	-	-	5	15	12	-	25	-		-	7000
9	8	59	24.4	8.5	6.7	-	-	-	-	-	5	12	18	-	25	-		-	580
9	13	59	22.2	8.8	6.4	-	-	-	-	-	5	15	14	-	25	-		-	1300
9	21	59	23.3	8.6	6.8	-	-	-	-	-	5	21	15	-	15	-		-	100
9	28	59	25.5	8.3	6.9	-	-	-	-	-	5	19	13	-	10	-		-	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: WASHINGTON
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: MIDDLE AND LOWER SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WAWAWAI, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	6	58	17.1	10.8	8.6	1.7	7.0	.6	2.5	.4	17	137	135	15	5	55		268	860
10	13	58	14.7	9.8	8.6	.5	8.9	.8	2.9	.2	13	115	113	25	11	44		222	1000
10	20	58	13.3	11.1	8.5	1.2	6.4	.5	2.3	.3	15	124	122	20	4	49		236	550
10	27	58	12.3	10.8	8.5	1.9	8.6	-	-	-	16	130	130	20	7	51		255	-
11	3	58	10.8	11.5	8.5	1.5	5.6	.7	2.4	.8	17	136	135	15	6	52		260	400
11	10	58	8.8	11.1	8.2	1.4	11.1	1.1	5.1	.5	8	76	76	30	19	26		152	2000
11	17	58	5.8	12.3	8.5	3.3	6.0	.2	2.8	.3	13	103	108	20	10	39		206	1700
11	24	58	6.4	11.4	8.1	1.1	8.3	.8	3.5	.1	8	76	72	25	28	28		153	1800
12	1	58	4.0	12.4	8.1	2.2	6.9	.5	2.4	.2	10	92	90	13	6	33		182	430
12	8	58	3.8	12.4	7.9	1.3	11.3	.9	5.4	.1	7	66	57	25	87	22		139	2200
12	15	58	4.0	12.2	7.9	1.3	9.3	.9	3.7	.1	6	60	56	33	28	20		124	-
12	22	58	5.0	12.3	8.2	1.5	5.8	.4	3.1	.1	9	83	75	20	9	29		162	-
12	29	58	4.7	12.3	8.1	1.8	7.3	.6	2.9	.2	10	92	87	23	12	33		186	-
1	5	59	1.0	13.3	8.4	2.1	5.9	.5	3.3	.0	13	110	105	15	9	40		221	3500
1	12	59	4.5	12.0	7.9	3.6	9.3	.8	4.5	.0	10	86	82	25	64	30		173	1800
1	19	59	4.2	12.1	-	3.0	8.2	.5	4.0	.0	9	80	74	30	39	27		156	*20
1	26	59	3.7	12.6	7.7	1.1	13.6	.9	4.5	.1	5	57	60	45	85	18		118	3100
2	2	59	3.8	12.7	8.0	1.1	5.6	.8	3.4	.1	9	84	85	25	15	28		167	4000
2	9	59	3.2	12.9	8.1	.9	9.6	.8	1.8	-	11	104	98	25	9	36		190	1500
2	16	59	4.1	11.9	7.9	2.3	8.3	.9	2.9	.2	13	98	97	15	5	-		187	1700
2	23	59	4.8	11.7	7.9	-	8.5	-	-	.3	10	92	90	25	-	37		193	1500
3	2	59	5.6	12.3	7.6	1.8	23.6	.9	6.5	.3	5	72	61	65	165	22		163	3300
3	9	59	6.0	11.2	7.7	2.0	7.3	.3	2.0	.1	9	96	6	25	17	27		162	7200
3	16	59	6.0	11.5	7.8	2.6	5.0	.4	2.3	.1	11	80	91	15	7	31		177	1100
3	23	59	6.2	11.6	8.0	1.1	8.6	.5	2.7	.1	9	76	89	15	7	31		172	10000
3	30	59	8.0	11.4	7.8	2.5	5.6	.4	3.3	.0	8	14	85	25	13	30		170	6000
4	6	59	9.2	11.1	7.4	3.5	10.9	.5	3.9	.1	5	52	53	25	14	19		118	1500
4	13	59	9.8	10.9	7.1	.7	8.3	.9	3.6	.2	4	42	57	15	5	19		119	700
4	20	59	10.0	11.1	7.2	1.7	3.6	.8	3.4	.0	2	40	46	15	20	16		-	9300
4	27	59	9.5	11.0	7.5	1.0	8.9	.6	3.8	.1	2	36	34	15	8	14		85	2800
5	4	59	9.0	10.8	7.4	1.0	13.2	.7	3.8	.0	1	38	40	25	15	-		68	5100
5	11	59	9.5	10.8	7.1	1.5	10.2	.7	3.9	.1	1	16	23	15	6	15		76	900
5	18	59	-	10.9	7.3	1.7	12.2	.9	3.6	.1	3	14	23	15	15	9		63	2900
5	25	59	13.0	9.9	7.2	.3	7.8	.9	3.6	.1	1	42	32	15	4	11		81	530
6	1	59	13.0	10.3	7.3	1.6	9.6	1.2	4.3	.1	3	38	36	15	3	12		83	175
6	9	59	12.0	10.7	7.2	2.0	8.6	1.1	5.2	.1	3	34	27	15	21	8		88	990
6	15	59	14.0	11.6	7.1	1.0	11.1	1.5	6.1	.3	1	30	23	15	12	7		57	1000
6	22	59	16.7	9.2	7.2	1.0	9.8	.7	3.6	.0	1	29	21	15	8	7		66	2600
6	29	59	15.8	8.9	7.6	1.1	5.2	.8	3.1	.2	3	46	49	25	4	14		82	2400

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE WASHINGTON

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN MIDDLE AND LOWER SNAKE RIVER

STATION LOCATION SNAKE RIVER AT WAWAWAI, WASHINGTON

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	7	59	17.1	8.7	7.8	1.2	6.4	.9	3.0	.0	3	46	46	18	2	14		90	2300
7	13	59	20.5	8.9	7.4	.3	5.9	.9	3.2	.1	4	54	53	15	2	15		120	1500
7	20	59	22.7	8.9	8.1	.5	-	1.0	4.1	.1	5	60	63	15	1	25		116	2100
7	27	59	22.8	9.0	9.0	3.0	7.1	.7	3.1	-	8	56	48	15	2	26		139	860
8	3	59	22.2	8.9	7.4	1.2	6.8	.9	4.1	-	9	76	82	15	4	24		145	690
8	10	59	22.2	9.0	8.4	1.0	5.7	1.3	4.5	.1	11	87	90	15	1	34		176	540
8	17	59	21.5	9.1	7.3	-	15.8	.8	2.7	.2	16	76	94	25	1	37		180	300
8	24	59	22.0	10.0	7.4	.6	8.9	.9	2.7	.4	11	98	99	25	1	32		166	690
8	31	59	20.0	8.5	7.3	.8	7.2	.8	2.1	.2	1	106	113	25	1	42		164	900
9	7	59	20.8	9.1	8.4	1.0	7.6	.7	2.8	.2	6	92	101	15	1	43		166	-
9	14	59	20.0	9.2	8.2	.9	8.7	.7	3.6	.2	5	110	124	15	0	465		171	460
9	21	59	19.0	8.1	7.8	.5	8.5	1.1	2.9	.2	7	108	104	17	4	230		479	1800
9	28	59	15.0	9.4	7.6	1.3	10.5	1.2	4.8	.2	48	86	81	23	8	183		344	4600

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: IDAHO
MAJOR BASIN: PACIFIC NORTHWEST
SUB BASIN: CENTRAL SNAKE RIVER
STATION LOCATION: SNAKE RIVER AT WEISER, IDAHO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	58	18.0	10.0	8.3	3.0	–	1.5	3.0	.6	30	188	196	5	32	–		–	–
10	8	58	16.0	7.6	7.1	1.6	5.0	1.0	3.0	.8	3	152	100	5	29	–		–	–
10	15	58	15.0	8.3	7.6	3.1	8.0	1.1	3.0	.4	3	168	212	5	35	–		–	4900
10	22	58	–	9.3	8.0	1.8	13.1	.9	4.0	.6	3	188	204	5	52	–		–	4300
10	29	58	14.5	9.6	7.9	2.8	8.1	1.9	–	.8	4	200	208	5	35	–		–	230
11	5	58	12.5	8.9	7.9	1.9	3.7	1.1	2.5	.4	3	220	212	5	22	–		–	*230
11	12	58	9.8	9.8	7.5	–	6.8	2.0	4.0	.4	4	176	216	5	20	–		–	1500
11	19	58	7.5	10.4	8.0	–	9.4	1.2	3.1	.6	3	216	228	5	35	–		–	*230
11	26	58	6.0	10.4	8.0	–	2.1	1.1	2.5	.6	3	148	216	5	38	–		–	*230
12	3	58	6.1	10.8	7.0	–	4.2	2.1	–	.4	3	152	228	5	28	–		–	9200
12	10	58	6.5	10.7	7.4	–	–	2.0	4.1	.8	28	194	215	5	27	90		384	18000
12	17	58	5.0	10.7	7.9	3.1	16.8	1.1	3.9	.6	16	190	220	5	28	76		354	–
12	24	58	6.5	10.4	7.7	3.7	17.2	2.0	4.0	.8	28	192	206	5	33	76		448	–
12	31	58	6.0	9.8	7.2	–	–	2.0	4.0	.6	24	186	229	5	38	77		350	–
1	7	59	3.0	9.9	8.1	1.2	17.5	2.0	–	.6	28	196	191	5	30	80		400	*230
1	14	59	7.1	11.2	7.7	–	–	2.5	4.0	.6	30	181	182	5	65	68		350	*210
1	21	59	4.0	10.3	7.9	–	21.6	2.1	4.0	.6	14	190	–	5	34	–		–	1000
1	28	59	2.5	9.4	7.8	2.6	12.9	4.0	5.0	.4	14	114	136	5	140	–		–	330
2	4	59	8.4	10.2	7.6	3.2	23.7	2.8	5.0	.6	24	192	192	5	46	–		–	*250
2	11	59	5.1	10.3	7.3	3.1	16.4	2.0	4.1	.6	26	190	192	5	50	–		–	*230
2	16	59	5.5	9.4	6.8	2.3	7.2	3.0	4.0	.6	21	150	168	5	30	–		–	*230
2	23	59	7.0	10.2	8.3	2.6	20.0	2.0	–	.7	17	150	90	5	68	–		–	–
3	2	59	8.5	9.9	8.0	3.0	6.4	1.0	3.1	.7	35	140	188	5	30	–		–	–
3	9	59	9.2	9.9	7.9	–	5.1	.4	.0	.8	24	160	204	5	65	–		–	–
3	16	59	8.0	10.0	8.0	2.2	22.5	.1	–	.8	17	104	100	5	65	–		–	–
3	23	59	7.5	9.3	8.1	2.1	–	.2	1.9	.6	27	84	80	5	32	–		–	–
3	30	59	8.5	9.4	8.1	2.2	4.3	.4	1.6	.8	16	42	56	5	47	–		–	*300
4	6	59	11.0	8.9	7.2	2.4	7.7	1.1	2.8	.6	16	54	68	5	45	–		–	470
4	13	59	11.0	9.5	7.8	2.0	12.5	.3	2.5	.7	10	138	136	5	48	–		–	230
4	20	59	10.5	9.1	8.4	2.0	–	.1	1.3	.7	18	152	160	5	42	–		–	1300
4	27	59	11.5	7.9	8.1	1.3	–	1.2	2.6	.7	16	116	120	5	68	–		–	660
5	4	59	12.0	8.6	8.0	1.7	7.4	.3	1.0	.8	13	120	118	5	62	–		–	*230
5	18	59	13.0	8.4	8.1	1.3	12.1	.6	2.0	.7	14	108	106	5	64	–		–	2600
5	25	59	16.5	8.4	8.0	–	3 –	.2	1.6	.6	15	74	120	5	62	–		–	230
6	1	59	17.5	8.2	8.0	2.2	2.2	.1	2.3	.7	18	120	118	5	57	–		–	460
6	8	59	17.8	7.4	8.1	.9	2.4	.3	2.1	.8	16	117	116	5	70	–		–	*250
6	15	59	18.5	8.6	7.8	2.6	5.3	.2	1.4	.7	11	88	90	5	70	–		–	1100
6	22	59	19.0	8.4	7.9	2.2	4.2	.3	2.4	.7	14	86	89	5	62	–		–	1800
																			2000

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE IDAHO

MAJOR BASIN PACIFIC NORTHWEST

SUB BASIN CENTRAL SNAKE RIVER

STATION LOCATION SNAKE RIVER AT WEISER, IDAHO

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
6	29	59	19.5	8.0	7.6	1.6	4.3	.4	2.4	.6	16	32	120	5	54	-		-	-
7	6	59	20.5	7.9	7.8	1.0	6.2	.6	-	.6	16	56	128	5	74	-		-	-
7	13	59	24.0	7.8	7.6	2.1	4.3	.5	-	.7	15	50	72	5	60	-		-	-
7	20	59	25.5	7.9	7.8	2.4	6.2	.4	2.6	.8	16	58	70	5	60	-		-	-
7	27	59	25.0	8.1	7.9	1.2	5.4	.8	2.8	.8	17	56	78	5	60	-		-	1300
8	3	59	23.5	6.6	7.8	1.7	-	.6	3.0	.8	17	80	78	5	54	-		-	580
8	17	59	21.5	7.1	7.8	1.1	5.6	.5	2.5	.7	19	140	172	5	59	-		-	*137
8	24	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	600
8	31	59	21.5	6.9	7.6	2.4	5.6	.5	2.5	.7	18	138	176	5	70	-		-	-
9	14	59	20.0	6.7	7.7	1.4	3.9	.2	1.1	.7	16	172	180	5	78	-		-	-
9	21	59	18.0	6.9	7.8	2.1	4.6	.3	2.1	.8	17	192	184	5	81	-		-	

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: TENNESSEE

MAJOR BASIN: TENNESSEE RIVER

SUB BASIN: TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION: TENNESSEE RIVER M465.3 TVA AT CHATTANOOGA, TENNESSEE

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
10	1	58	7.1	6.7	7.5	1.6	16.4	1.5	3.9	.8	13	59	76	2	20	15		116	-
10	8	58	19.6	7.0	7.5	1.2	7.1	1.8	3.2	.0	16	58	78	2	20	12		128	*3
10	15	58	19.0	7.7	7.5	1.4	6.7	1.6	3.1	.0	15	54	70	2	18	13		116	*3
10	22	58	19.0	7.6	7.5	1.3	12.5	1.5	3.8	.5	16	53	70	2	20	15		119	*3
10	29	58	17.4	8.0	7.5	1.5	7.3	1.4	3.4	.0	15	54	72	2	18	15		126	12
11	5	58	15.7	8.1	7.5	1.4	5.7	1.4	3.0	.9	14	55	72	3	18	16		112	*3
11	12	58	14.5	8.8	7.5	.9	6.4	1.3	3.5	.0	13	58	72	2	18	17		134	11
11	19	58	15.7	8.6	7.5	1.1	7.9	1.5	3.8	.1	16	59	82	2	18	17		131	5
11	26	58	14.5	8.7	7.5	.7	7.9	1.5	4.0	.1	17	55	74	3	16	17		128	*12
12	3	58	11.2	9.4	7.5	1.1	8.4	1.3	3.0	.0	16	52	78	2	15	15		130	10
12	10	58	8.4	10.2	7.4	.8	9.5	1.3	3.2	.0	15	56	80	2	13	13		132	*4
12	17	58	6.7	10.7	7.4	1.2	9.2	1.9	3.9	.0	16	55	74	6	8	16		126	-
12	23	58	7.3	10.8	7.4	1.0	9.8	1.5	3.9	.0	15	56	68	5	10	16		132	-
12	30	58	6.7	11.1	7.4	1.2	10.2	2.0	4.0	.0	14	55	76	4	10	18		112	-
1	7	59	5.0	11.5	7.5	1.0	7.4	1.4	3.6	.0	17	62	76	6	13	19		141	-
1	14	59	5.6	11.4	7.5	1.2	12.8	2.3	6.4	.2	24	58	86	7	10	18		170	50
1	21	59	5.6	11.4	7.4	2.6	12.1	3.0	5.9	.0	30	60	96	10	15	20		159	*4
1	28	59	5.6	11.3	7.3	1.5	14.7	3.4	6.2	.0	14	55	72	22	43	24		141	60
2	4	59	6.2	10.7	7.2	1.2	9.0	2.8	5.6	.0	12	51	72	8	33	22		120	*5
2	11	59	6.7	10.4	7.3	.8	8.5	2.6	7.9	.3	12	47	66	8	32	16		117	17
2	18	59	8.4	10.3	7.3	1.7	8.7	2.8	5.3	.5	20	-	72	10	40	23		127	39
2	25	59	7.3	10.2	7.3	1.1	8.7	2.6	5.2	.2	9	47	60	8	28	23		113	94
3	4	59	7.8	10.3	7.3	1.1	6.7	2.1	4.7	.3	2	42	58	11	37	20		104	10
3	11	59	8.4	10.2	7.3	.8	6.4	1.9	4.7	.0	4	42	56	10	28	16		100	220
3	18	59	8.9	10.2	7.3	1.4	6.6	2.2	3.6	.3	2	47	62	10	46	19		101	44
3	25	59	10.1	9.8	7.3	.8	4.8	1.6	4.2	.0	3	50	66	8	22	15		99	16
4	1	59	11.2	9.2	7.3	2.3	7.6	2.2	4.4	.2	2	48	58	9	71	20		99	82
4	8	59	13.4	9.0	7.3	1.4	5.8	1.7	4.0	.2	4	45	58	5	68	22		102	10
4	15	59	13.4	9.0	7.4	1.4	6.1	1.8	4.1	.0	3	49	64	10	37	18		108	20
4	22	59	15.7	7.8	7.3	1.5	10.0	2.2	7.2	.2	3	46	58	18	49	17		70	20
4	29	59	16.2	8.1	7.3	2.6	4.6	1.9	4.1	.4	4	42	56	8	28	22		86	*3
5	6	59	17.9	7.4	7.3	1.7	6.3	1.3	3.6	.1	7	45	62	8	27	18		101	-
5	13	59	19.6	6.4	7.3	1.3	5.2	1.6	3.5	.5	9	50	70	8	18	18		112	*1
5	20	59	20.2	6.7	7.3	2.5	7.0	1.8	3.9	.0	9	47	66	6	26	18		101	5
5	27	59	20.7	6.0	7.3	2.1	7.9	1.7	3.6	.6	8	49	60	8	50	20		90	*2
6	3	59	21.8	6.1	7.3	2.5	5.6	1.4	3.2	.1	7	54	62	10	32	18		92	2
6	10	59	22.4	5.4	7.3	.8	5.2	1.7	3.6	.3	7	52	68	8	10	18		93	*4
6	17	59	23.5	6.6	7.4	1.0	5.6	1.6	3.5	.2	8	51	64	9	15	18		104	*2
6	24	59	24.1	5.4	7.4	2.1	6.8	1.4	3.5	.4	9	59	78	5	27	20		108	2

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE TENNESSEE

MAJOR BASIN TENNESSEE RIVER

SUB BASIN TENNESSEE MAIN STEM & MINOR TRIB.

STATION LOCATION TENNESSEE RIVER M465.3 TVA AT CHATTANOOGA, TENNESSEE

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
7	1	59	25.8	5.3	7.4	1.7	6.6	1.5	3.2	.1	10	54	70	4	10	21		98	*4
7	8	59	25.8	5.2	7.3	2.8	11.3	1.5	3.1	.0	10	52	66	4	17	24		88	*3
7	15	59	25.2	4.9	7.4	4.8	5.7	1.4	4.1	.0	8	54	68	5	15	21		81	*3
7	22	59	25.8	5.0	7.4	1.6	8.3	1.5	3.6	.0	9	52	72	4	18	16		86	*5
7	29	59	25.8	5.0	7.3	1.5	9.4	1.5	3.2	.1	9	51	68	5	18	18		122	*8
8	5	59	25.8	4.4	7.3	2.1	6.0	1.2	4.3	.2	10	54	72	5	13	15		118	*50
8	12	59	26.3	5.7	7.3	1.4	7.5	1.2	4.4	.0	10	49	68	5	17	20		121	10
8	19	59	25.8	5.1	7.3	2.1	5.7	1.0	3.0	.0	11	48	66	5	13	19		109	*3
8	26	59	25.8	4.2	7.3	4.2	8.9	1.2	2.8	.0	10	54	68	4	15	15		117	*3
9	2	59	26.3	4.0	7.3	.9	5.9	1.5	2.9	.0	11	52	70	4	15	18		122	150
9	9	59	25.8	4.8	7.3	2.0	7.7	1.4	3.1	.0	10	50	70	4	15	18		92	5
9	16	59	23.5	5.8	7.3	2.4	8.7	1.4	3.0	.1	11	48	68	4	15	20		92	4
9	23	59	23.5	6.2	7.3	2.6	7.3	1.4	3.4	.2	10	47	66	4	15	18		127	2900
9	30	59	23.5	6.6	7.3	1.5	5.1	1.2	3.1	.0	10	49	66	4	12	14		90	1500

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MONTANA
MAJOR BASIN: MISSOURI RIVER
SUB BASIN: YELLOWSTONE RIVER
STATION LOCATION: YELLOWSTONE RIVER M30 NEAR SIDNEY, MONTANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
11	3	58	5.9	-	8.5	-	-	-	-	-	16	188	308	-	-	272		-	-
11	10	58	4.6	-	8.5	-	-	-	-	-	16	190	310	-	-	228		-	-
11	17	58	2.7	-	8.4	-	-	-	-	-	16	182	302	-	-	228		-	-
11	24	58	.3	-	8.3	-	-	-	-	-	16	184	304	-	-	210		-	-
12	1	58	.2	-	8.2	-	-	-	-	-	18	204	330	-	-	253		-	-
12	8	58	.0	-	8.1	-	-	-	-	-	20	212	334	-	-	253		-	-
12	15	58	.0	-	8.1	-	-	-	-	-	20	224	358	-	-	253		-	-
12	22	58	.0	-	8.0	-	-	-	-	-	21	212	344	-	-	253		-	-
12	29	58	.0	-	8.0	-	-	-	-	-	21	196	330	-	-	236		-	-
1	5	59	.0	-	8.1	-	-	-	-	-	20	210	348	-	-	236		-	-
1	12	59	.0	-	8.0	-	-	-	-	-	21	236	374	-	-	285		-	-
1	19	59	.0	-	8.1	-	-	-	-	-	20	228	384	-	-	245		748	-
1	26	59	.0	-	8.0	-	-	1.5	4.3	-	18	188	312	-	-	216		660	-
2	2	59	.0	-	8.1	-	-	2.6	4.7	-	20	200	336	-	-	228		644	-
2	9	59	.0	-	7.9	-	-	.1	1.4	-	18	192	316	-	-	228		630	-
2	16	59	2.1	-	8.0	-	-	2.0	3.8	-	18	200	334	-	25	253		666	-
2	23	59	1.5	-	8.0	-	-	2.7	4.7	-	21	210	348	-	25	184		660	-
3	9	59	.5	-	8.0	-	-	-	-	-	10	110	176	-	350	114		388	-
3	16	59	.5	-	8.1	-	-	-	-	-	11	112	160	-	2100	104		393	-
3	23	59	.3	-	8.0	-	-	-	-	-	17	98	146	-	6200	109		331	-
3	30	59	8.0	-	8.2	-	-	-	-	-	17	154	266	-	2200	184		525	-
4	6	59	8.9	-	8.3	-	-	-	-	-	13	182	338	-	590	219		689	-
4	13	59	8.9	-	8.4	-	12.1	-	-	-	27	186	320	-	350	236		670	-
4	20	59	7.0	-	8.3	-	-	-	-	-	20	174	302	-	360	263		696	-
4	27	59	9.8	-	8.4	-	-	-	-	-	20	176	318	-	370	250		698	-
5	4	59	12.0	-	8.2	-	-	-	-	-	15	170	270	-	1500	263		597	-
5	11	59	12.8	-	8.2	-	31.7	-	-	-	13	150	246	-	1300	234		470	-
5	18	59	17.1	-	8.4	-	-	-	-	-	12	140	212	-	800	202		434	-
5	25	59	16.4	-	8.1	-	-	-	-	-	10	112	182	-	870	109		336	-
6	1	59	17.4	-	8.3	-	-	-	-	-	11	130	190	-	565	146		362	-
6	8	59	22.1	-	8.2	-	-	-	-	-	11	120	182	-	1480	109		364	-
6	15	59	21.4	-	8.0	-	24.4	-	-	-	7	74	94	-	880	30		182	-
6	23	59	20.0	-	8.1	-	-	-	-	-	9	70	82	-	1075	27		146	-
6	29	59	16.8	-	8.1	-	-	-	-	-	6	66	96	-	2570	44		198	-
7	6	59	20.1	-	8.1	-	-	-	-	-	10	82	152	-	9600	-		154	-
7	13	59	23.2	-	8.0	-	12.9	-	-	-	7	84	114	-	600	70		218	-
7	20	59	25.1	-	8.5	-	-	-	-	-	6	88	116	-	168	68		246	-
7	27	59	26.8	-	8.5	-	-	-	-	-	7	106	140	-	150	109		318	-

WATER QUALITY BASIC DATA

CHEMICAL, PHYSICAL AND BACTERIOLOGICAL ANALYSES

STATE: MONTANA

MAJOR BASIN: MISSOURI RIVER

SUB BASIN: YELLOWSTONE RIVER

STATION LOCATION: YELLOWSTONE RIVER M30 NEAR SIDNEY, MONTANA

DATE OF SAMPLE			TEMP. (Degrees Centigrade)	DISSOLVED OXYGEN mg/l	pH	B.O.D. mg/l	C.O.D. mg/l	CHLORINE DEMAND		AMMONIA-NITROGEN mg/l	CHLORIDES mg/l	ALKALINITY mg/l	HARDNESS mg/l	COLOR (scale units)	TURBIDITY (scale units)	SULFATES mg/l	PHOSPHATES mg/l	TOTAL DISSOLVED SOLIDS mg/l	COLIFORMS per 100 ml.
MONTH	DAY	YEAR						1-HOUR mg/l	24-HOUR mg/l										
8	3	59	24.8	-	8.4	-	-	-	-	-	9	114	164	-	140	114		324	-
8	10	59	21.9	-	8.5	-	-	1.4	-	-	9	130	196	-	100	153		420	-
8	17	59	22.4	-	8.6	-	15.0	2.6	-	-	7	142	202	-	55	156		440	-
8	24	59	22.9	-	8.6	-	-	2.3	5.9	-	14	146	210	-	55	209		524	-
8	31	59	21.2	-	8.6	-	-	2.3	5.7	-	11	148	224	-	45	200		506	-
9	8	59	22.0	-	8.6	-	-	2.3	5.9	-	14	154	236	-	40	203		538	-
9	14	59	18.4	-	8.6	-	12.6	1.7	5.5	-	13	164	264	-	50	208		616	-
9	21	59	13.7	-	8.5	-	-	1.4	5.9	-	11	166	268	-	100	131		630	-
9	28	59	9.6	-	8.3	-	-	-	-	-	13	176	284	-	200	175		694	-

TRACE ELEMENTS

TRACE ELEMENTS

1958 – 1959

STATION	DATE		CONCENTRATION — MILLIGRAMS PER LITER																			
			ANALYSIS BY WET OR FLAME METHOD					ANALYSIS BY SPECTROPHOTOGRAPHIC METHOD														
	FROM	TO	B	F	K	Na	Se	Cd	Ba	Be	Pb	Cr	Sn	Sb	Mn	Fe	Ni	Bi	Mo	V	Cu	Zn	Co
ARKANSAS RIVER																							
at Pendleton Ferry, Ark.	4-6-59	5-25-59	0.07	0.23	2.1	98	0.01*	0.006	0.10	0.0001*	0.01*	0.003*	0.005*	0 *	0.01*	0.10	0.005*	0.01	0.005*	0.005*	0.008	1.0*	0.005*
at Ponca City, Oklahoma	9-1-58	11-10-58	0.09	0.50	4.7	200	0.01*	0.02 *	0.3	0.0003*	0.03*	0.007*	0.01 *	0.07*	0.03*	0.02	0.01 *	0.03*	0.01 *	0.01 *	0.01	-	0.01 *
	4-6-59	5-25-59	0.13	0.26	6.4	256	0.01*	0.02 *	0.07	0.0003*	0.03*	0.007*	0.01 *	0.07*	0.03*	0.03	0.01	0.03*	0.01 *	0.01 *	0.002*	-	0.01 *
at Coolidge, Kansas	9-1-58	10-24-58	0.14	5.6	7.0	340	0.01*	0.07	0.2	0.001 *	0.10	0.02 *	0.05 *	0.2 *	0.09*	0.09	0.05 *	0.1 *	0.05 *	0.05 *	0.007	-	0.05 *
	4-6-59	5-25-59	0.30	0.64	9.3	432	0.01*	0.07 *	0.05*	0.001 *	0.10*	0.02 *	0.05 *	0.2 *	0.09*	0.09	0.05 *	0.1 *	0.05 *	0.05 *	0.007*	-	0.05 *
COLORADO RIVER																							
at Yuma, Arizona	9-1-58	10-20-58	0.12	0.41	4.2	108	0.01*	0.02 *	0.1	0.0003*	0.03*	0.006*	0.01 *	0.06*	0.03*	0.01	0.01 *	0.03*	0.01	0.01 *	0.01	-	0.01 *
	3-30-59	5-25-59	0.15	0.40	4.6	118	0.01*	0.02 *	0.05	0.0003*	0.03*	0.006*	0.01 *	0.06*	0.03*	0.3	0.03	0.03*	0.03	0.01 *	0.005	-	0.01 *
at Parker Dam, Arizona-California	9-1-58	10-20-58	0.11	0.28	3.5	78	0.01*	0.02 *	0.2	0.0003*	0.03*	0.006*	0.01 *	0.06*	0.03*	0.01*	0.01 *	0.03*	0.01	0.01 *	0.05	-	0.01 *
	3-30-59	5-18-59	0.08	0.30	4.1	86	0.01*	0.02 *	0.01*	0.0003*	0.03*	0.006*	0.01 *	0.06*	0.03*	0.02	0.01 *	0.03*	0.02	0.01 *	0.4	-	0.01 *
at Hoover Dam, Arizona-Nevada	9-1-58	10-20-58	0.06	0.27	3.5	76	0.01*	0.02 *	0.4	0.0004*	0.04*	0.007*	0.01 *	0.07*	0.03*	0.01*	0.01 *	0.04*	0.01 *	0.01 *	0.02	-	0.01 *
	3-30-59	5-18-59	0.13	0.31	4.1	100	0.01*	0.02 *	0.07	0.0004*	0.04*	0.007*	0.01 *	0.07*	0.03*	0.1	0.01	0.04*	0.03	0.01 *	0.006	-	0.01 *
near Loma, Colorado	9-8-58	11-17-58	0.11	0.46	5.2	180	0.01*	0.03 *	0.1	0.0005*	0.05*	0.01 *	0.02 *	0.1 *	0.04*	0.03	0.02 *	0.05*	0.02*	0.02 *	0.003*	-	0.02 *
	4-6-59	5-18-59	0.07	0.27	2.8	86	0.01*	0.05 *	0.03*	0.0008*	0.08*	0.02 *	0.03 *	0.2 *	0.06*	0.06	0.03	0.08*	0.03*	0.03 *	0.005*	-	0.03 *
COLUMBIA RIVER																							
near Clatskanie, Oregon	9-1-58	11-1-58	0.14	0.16	1.8	11.1	0.01*	0.003*	0.04	0.00005*	0.005*	0.006	0.002*	0.01*	0.004*	0.02	0.002*	0.005*	0.002	0.002	0.009	0.5*	0.002*
	3-30-59	5-18-59	0.03	0.16	0.6	5.2	0.01*	0.003*	0.008	0.00005*	0.02	0.002	0.002*	0.01*	0.004*	0.03	0.005	0.005*	0.003	0.002*	0.005	0.5*	0.002*
at Bonneville Dam, Washington-Oregon	9-1-58	10-20-58	0.07	0.23	1.8	10.7	0.01*	0.004*	0.04	0.00006*	0.006*	0.009	0.003*	0.01*	0.005*	0.03	0.003*	0.006*	0.003	0.003*	0.1	0.9	0.003*
	3-30-59	5-18-59	0.04	0.13	1.2	5.8	0.01*	0.004*	0.008	0.00005*	0.006*	0.003	0.003*	0.01*	0.005*	0.03	0.006	0.006*	0.005	0.003*	0.06	0.6*	0.003*
at Pasco, Washington	9-1-58	10-27-58	0.11	0.14	1.2	3.0	0.01*	0.003*	0.06	0.00005*	0.005*	0.04	0.002*	0.01*	0.004*	0.02	0.002*	0.005*	0.002	0.002*	0.01	0.5*	0.002*
	3-30-59	5-25-59	0.07	0.00	0.6	2.9	0.01*	0.003*	0.03	0.00005*	0.005*	0.005	0.002*	0.01*	0.004*	0.01	0.004	0.004*	0.003	0.002*	0.009	0.5*	0.002*
at Wenatchee, Washington	9-29-58	11-17-58	0.03	0.17	1.0	1.8	0.01*	0.004*	0.06	0.00006*	0.006*	0.001	0.002*	0.01*	0.005*	0.06	0.002*	0.006*	0.002	0.002*	0.02	0.6*	0.002*
	4-6-59	6-1-59	0.04	0.16	0.6	2.5	0.01*	0.004*	0.04	0.00006*	0.006*	0.001*	0.002*	0.01*	0.005*	0.01	0.002*	0.006*	0.004	0.002*	0.05	0.6*	0.002*
DELAWARE RIVER																							
at Philadelphia, Pa.	9-1-58	10-20-58	0.05	0.19	2.2	9.8	0.01*	0.02	0.05	0.00008*	0.008*	0.002	0.003*	0.02*	0.006*	0.02	0.003*	0.008*	0.003	0.003*	0.01	0.8*	0.003*
	3-30-59	5-18-59	0.05	0.11	1.2	4.6	0.01*	0.005*	0.008	0.00008*	0.08	0.002*	0.003*	0.02*	0.006*	0.02	0.009	0.008*	0.003*	0.003*	0.01	0.8*	0.003*
at Easton, Pa.	4-6-59	4-27-59	-	-	0.6	2.0	-	0.005*	0.003	0.00008*	0.008*	0.002*	0.003*	0.02*	0.006*	0.006	0.003*	0.008*	0.003*	0.003*	0.06	0.8*	0.003*
GREAT LAKES																							
Lake Erie at Buffalo, N.Y.	9-15-58	11-3-58	0.04	0.14	1.8	12.4	0.01*	0.006*	0.2	0.0001 *	-	-	0.004*	0.02*	0.008*	0.006	0.004*	0.01*	0.004*	0.004*	0.006	1.0*	0.004*
	3-30-59	5-18-59	0.04	0.15	1.2	9.0	0.01*	0.005*	0.01	0.00008*	-	0.002*	0.003*	0.02*	0.007*	0.03	0.008	0.008*	0.007	0.003*	0.008	0.8*	0.003*
Detroit River at Detroit, Michigan	9-1-58	10-20-58	0.03	0.13	1.2	4.9	0.01*	0.004*	0.04	0.00007*	0.007*	0.001*	0.003*	0.01*	0.006*	0.07	0.003*	0.007*	0.003*	0.003*	0.01	0.7*	0.003*
	4-6-59	5-25-59	0.02	0.05	0.6	3.9	0.01*	0.004*	0.003	0.00007*	0.007*	0.001*	0.003*	0.01*	0.005*	0.01	0.007	0.007*	0.003	0.003*	0.01	0.7*	0.003*
Lake Superior at Duluth, Minnesota	9-1-58	10-20-58	0.02	0.08	0.5	1.6	0.01*	0.002*	0.01	0.00003*	0.003*	0.0006*	0.001*	0.01*	0.002*	0.02	0.001*	0.003*	0.001*	0.001*	0.05	0.3*	0.001*
	4-6-59	5-25-59	0.02	0.00	0.6	1.4	0.01*	0.002*	0.002	0.00003*	-	0.0006*	0.001*	0.006*	0.002*	0.01	0.001	0.003*	0.001*	0.001*	0.02	0.3*	0.001*
Lake Michigan at Gary, Indiana	10-6-58	11-24-58	0.04	0.23	1.2	5.0	0.01*	0.005*	0.05	0.00008*	0.008*	0.002*	0.003*	0.02*	0.006*	0.03	0.003*	0.008*	0.003*	0.003*	0.006	0.8*	0.003*
	4-13-59	6-15-59	0.04	0.05	0.6	4.4	0.01*	0.005*	0.05	0.00008*	0.008*	0.002*	0.003*	0.02*	0.006*	0.02	0.003*	0.008*	0.003*	0.003*	0.006	0.8*	0.003*
HUDSON RIVER																							
below Poughkeepsie, N.Y.	9-1-58	10-20-58	0.05	0.15	1.2	11.4	0.01*	0.003*	0.04	0.00005*	0.005*	0.007	0.002*	0.01*	0.004*	0.05	0.002*	0.005*	0.002	0.002*	0.06	0.5*	0.002*
	3-30-59	5-18-59	0.01	0.00	0.6	4.1	0.01*	0.003*	0.02	0.00005*	-	0.004	0.002*	0.01*	0.004*	0.02	0.002	0.005*	0.002*	0.002*	0.006	0.5*	0.002*

* ACTUAL VALUE IS LESS THAN THE AMOUNT SHOWN. REPORTED RESULT INDICATES LIMIT OF SENSITIVITY AT WHICH TEST WAS PERFORMED. SEE PAGE 8 OF TEXT FOR EXPLANATION

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TRACE ELEMENTS

1958–1959

STATION	DATE		CONCENTRATION — MILLIGRAMS PER LITER																			
			ANALYSIS BY WET OR FLAME METHOD					ANALYSIS BY SPECTROPHOTOGRAPHIC METHOD														
	FROM	TO	B	F	K	Na	Se	Cd	Ba	Be	Pb	Cr	Sn	Sb	Mn	Fe	Ni	Bi	Mo	V	Cu	Zn	Co
MERRIMACK RIVER at Lowell, Massachusetts	10-13-58	12-15-58	0.04	0.22	1.5	10.2	0.01*	0.003*	0.02	0.00004*	0.004*	0.006	0.002*	0.01*	0.1	0.3	0.004	0.004*	0.002	0.002*	0.1	0.4*	0.002*
	3-30-59	5-18-59	0.05	0.09	0.6	4.5	0.01*	0.002*	0.005	0.00004*	0.004*	0.002	0.002*	0.008*	0.05	0.04	0.02	0.004*	0.002*	0.002*	0.2	0.4*	0.002*
MISSISSIPPI RIVER at New Orleans, La.	9-1-58	10-27-58	0.07	0.29	1.5	17.6	0.01*	0.007*	0.1	0.0001 *	0.01 *	0.002*	0.005*	0.02 *	0.009*	0.05	0.005*	0.01 *	0.005	0.005*	0.009	1 *	0.005*
	3-30-59	5-18-59	0.04	0.14	2.3	15.0	0.01*	0.007*	0.09	0.0001 *	0.01 *	0.002*	0.005*	0.02 *	0.009*	0.02	0.005*	0.01 *	0.005*	0.005*	0.0007	1 *	0.005*
at Delta, Louisiana (formerly at Vicksburg, Mississippi)	9-8-58	11-3-58	0.07	0.27	3.2	16.4	0.01*	0.007	0.1	0.0001 *	0.01 *	0.002*	0.005*	0.02 *	0.009*	0.02*	0.005*	0.01 *	0.005	0.005*	0.02	1 *	0.01 *
	4-6-59	5-25-59	0.05	0.17	2.8	15.0	0.01*	0.007*	0.02	0.0001 *	0.01	0.002*	0.005*	0.02 *	0.009*	0.10	0.005*	0.01 *	0.007	0.005*	0.005	1 *	0.005*
at West Memphis, Ark.	9-1-58	10-20-58	0.09	0.34	3.0	16.8	0.01*	0.008*	0.01	0.0001 *	0.01 *	0.003*	0.005*	0.03 *	0.01 *	0.01	0.005*	0.01 *	0.005*	0.005*	0.008	1 *	0.005*
	4-6-59	5-25-59	0.05	0.26	2.8	11.0	0.01*	0.008*	0.03	0.0001 *	0.01 *	0.003*	0.005*	0.03 *	0.01 *	0.05*	0.005*	0.01 *	0.008	0.005*	0.005	1 *	0.005*
at Cape Girardeau, Mo.	9-1-58	10-20-58	0.14	0.43	4.2	30.0	0.01*	0.008*	0.05	0.0001 *	0.01 *	0.003*	0.005*	0.03 *	0.01 *	0.05*	0.005*	0.01 *	0.005	0.005*	0.01	1 *	0.005*
	4-6-59	5-25-59	0.06	0.30	4.1	18.0	0.01*	0.008*	0.05	0.0001 *	0.01 *	0.003*	0.005*	0.03 *	0.01 *	0.05	0.005*	0.01 *	0.005	0.005*	0.02	1 *	0.005*
at East St. Louis, Ill.	9-1-58	10-10-58	0.10	0.33	3.2	16.4	0.01*	0.008*	0.08	0.0001 *	0.01 *	0.003*	0.005*	0.03 *	0.01 *	0.06	0.005*	0.01 *	0.005	0.005*	0.01	1 *	0.005*
	4-6-59	5-25-59	0.06	0.24	4.1	10.0	0.01*	0.008*	0.05	0.0001 *	0.01 *	0.003*	0.005*	0.03 *	0.01 *	0.06	0.005*	0.01 *	0.005	0.005*	0.008	1 *	0.005*
at Burlington, Iowa	9-8-58	10-27-58	0.05	0.28	2.2	9.0	0.01*	0.01 *	0.08	0.0002 *	0.08	0.004*	0.008*	0.04 *	0.02 *	0.04*	0.008*	0.02 *	0.008*	0.008*	0.01	-	0.008*
	4-6-59	4-29-59	0.04	0.07	2.6	6.3	0.01*	0.01 *	0.02	0.0002 *	0.02 *	0.004*	0.008*	0.04 *	0.02 *	0.04	0.008*	0.02 *	0.008*	0.008*	0.04	-	0.008*
at Dubuque, Iowa	9-1-58	12-29-58	0.03	0.28	1.8	8.9	0.01*	0.006*	0.06	0.0001 *	0.01 *	0.002*	0.004*	0.02 *	0.008*	0.10	0.004*	0.01 *	0.004*	0.004*	0.06	1 *	0.004*
	3-30-59	6-1-59	0.06	0.11	2.8	5.2	0.01*	0.006*	0.04	0.0001 *	0.01 *	0.002*	0.004*	0.02 *	0.008*	0.04	0.004*	0.01 *	0.004*	0.004*	0.02	1 *	0.004*
above Red Wing, Minn.	9-1-58	10-20-58	0.07	0.20	1.8	12.9	0.01*	0.006*	0.06	0.0001 *	0.01 *	0.002*	0.004*	0.02 *	0.008*	0.06	0.004*	0.01 *	0.004	0.004*	0.2	1 *	0.004*
	4-6-59	5-25-59	0.05	0.20	2.3	9.5	0.01*	0.006*	0.02	0.0001 *	0.01 *	0.002*	0.004*	0.02 *	0.008*	0.04	0.004*	0.01 *	0.006	0.004*	0.1	1 *	0.004*
MISSOURI RIVER at St. Louis, Missouri	9-1-58	10-20-58	0.09	0.38	5.0	40.0	0.01*	0.01 *	0.2	0.0002 *	0.02 *	0.004*	0.01 *	0.04 *	0.02 *	0.01*	0.01 *	0.02 *	0.01 *	0.01 *	0.001	-	0.01 *
	4-6-59	5-25-59	0.07	0.32	4.6	28.0	0.01*	0.01 *	0.1	0.0002 *	0.02 *	0.004*	0.008*	0.04 *	0.02 *	0.10	0.008*	0.02 *	0.008	0.008*	0.001	-	0.008*
at Kansas City, Missouri	9-1-58	10-20-58	0.13	0.42	5.5	59.0	0.01*	0.01 *	0.4	0.0002 *	0.02 *	0.004*	0.009*	0.04 *	0.02 *	0.04	0.009*	0.02 *	0.009*	0.009*	0.004	-	0.009*
	3-30-59	5-18-59	0.10	0.37	5.8	47.0	0.01*	0.01 *	0.1	0.0002 *	0.02 *	0.004*	0.01 *	0.05 *	0.02 *	0.02	0.01 *	0.02 *	0.01	0.01 *	0.01	-	0.01 *
at St. Joseph, Missouri	9-1-58	11-3-58	0.14	0.44	5.0	62.0	0.01*	0.01 *	0.04	0.0002 *	0.02 *	0.004*	0.008*	0.04 *	0.02 *	0.02	0.008*	0.02 *	0.008*	0.008*	0.004	-	0.008*
	4-6-59	5-25-59	0.10	0.39	5.8	46.0	0.01*	0.01 *	0.08	0.0002 *	0.02 *	0.004*	0.008*	0.04 *	0.02 *	0.04	0.008*	0.02 *	0.01	0.008*	0.008	-	0.008*
at Omaha, Nebraska	9-1-58	10-27-58	0.14	0.48	5.0	68.0	0.01*	0.02 *	0.05	0.0003 *	0.02 *	0.005*	0.01 *	0.05 *	0.05	0.5	0.01 *	0.03 *	0.01 *	0.01 *	0.01	-	0.01 *
	4-6-59	5-25-59	0.11	0.55	4.6	60.0	0.01*	0.01 *	0.02	0.0002 *	-	0.005*	0.01 *	0.05 *	0.02 *	0.03	0.01 *	0.02 *	0.01	0.01 *	0.01	-	0.01 *
at Yankton, South Dakota	9-1-58	10-20-58	0.15	0.52	5.0	65.0	0.01*	0.01 *	0.08	0.0002 *	0.02 *	0.004*	0.008*	0.04 *	0.02 *	0.01	0.008*	0.02 *	0.008*	0.008*	0.008	-	0.008*
	4-6-59	5-29-59	0.10	0.42	4.1	60.0	0.01*	0.01 *	0.04	0.0002 *	0.02 *	0.004*	0.008*	0.04 *	0.02 *	0.02	0.008*	0.02 *	0.01	0.008*	0.008	-	0.008*
at Bismarck, North Dakota	9-1-58	10-20-58	0.11	0.50	3.2	56.0	0.01*	0.01 *	0.2	0.0002 *	0.02 *	0.004*	0.008*	0.04 *	0.02 *	0.04	0.008*	0.02 *	0.008	0.008*	0.04	-	0.008*
	4-6-59	5-25-59	0.14	0.55	4.1	77.0	0.01*	0.01 *	0.04	0.0002 *	0.02 *	0.004*	0.008*	0.04 *	0.02 *	0.03	0.008*	0.02 *	0.008	0.008*	0.3	-	0.008*
at Williston, North Dakota	9-1-58	10-20-58	0.16	0.61	3.0	60.0	0.01*	0.01 *	0.09	0.0002 *	0.02 *	0.005*	0.009*	0.05 *	0.02 *	0.02	0.009*	0.02 *	0.009*	0.009*	0.009	-	0.009*
	4-6-59	6-29-59	0.12	0.40	3.5	62.0	0.01*	0.01 *	0.009*	0.0002 *	0.02 *	0.005*	0.009*	0.05 *	0.02 *	0.05	0.009*	0.02 *	0.009*	0.009*	0.001	-	0.009*
OHIO RIVER at Cairo, Illinois	9-1-58	10-27-58	0.06	0.30	2.5	11.8	0.01*	0.01 *	0.1	0.0002 *	0.02 *	0.005*	0.01 *	0.05 *	0.02 *	0.02	0.01 *	0.02 *	0.01 *	0.01 *	0.01	-	0.01 *
	4-6-59	5-25-59	0.04	0.15	1.7	10.0	0.01*	0.01 *	0.009*	0.0002 *	0.02 *	0.005*	0.009*	0.05 *	0.02 *	0.009	0.009*	0.02 *	0.009*	0.009*	0.005	-	0.009*
at Evansville, Indiana	9-1-58	10-20-58	0.08	0.24	3.0	17.8	0.01*	0.009*	0.1	0.0002 *	0.01 *	0.006	0.006*	0.03 *	0.01 *	0.01	0.006*	0.02 *	0.006	0.006*	0.02	-	0.006*
	4-6-59	4-27-59	0.01	-	1.7	10.0	0.01*	0.009*	0.06	0.0001 *	0.01 *	0.003*	0.006*	0.03 *	0.01 *	0.03	0.006*	0.01 *	0.006*	0.006*	0.009	1 *	0.006*
at Cincinnati, Ohio	9-1-58	10-20-58	0.05	0.31	2.8	22.5	0.01*	0.01 *	0.02	0.0002 *	0.02 *	0.003*	0.006*	0.03 *	0.01 *	0.01	0.006*	0.02 *	0.006*	0.006*	0.03	-	0.006*
	4-6-59	5-25-59	0.04	0.16	1.7	12.0	0.01*	0.009*	0.06	0.0002 *	0.03	0.003*	0.006*	0.03 *	0.01 *	0.09	0.006*	0.02 *	0.006*	0.006*	0.02	-	0.006*

* ACTUAL VALUE IS LESS THAN THE AMOUNT SHOWN REPORTED RESULT INDICATES LIMIT OF SENSITIVITY AT WHICH TEST WAS PERFORMED SEE PAGE 8 OF TEXT FOR EXPLANATION

TRACE ELEMENTS

1958–1959

STATION	DATE		CONCENTRATION — MILLIGRAMS PER LITER																				
			ANALYSIS BY WET OR FLAME METHOD					ANALYSIS BY SPECTROPHOTOGRAPHIC METHOD															
	FROM	TO	B	F	K	Na	Se	Cd	Ba	Be	Pb	Cr	Sn	Sb	Mn	Fe	Ni	Bi	Mo	V	Cu	Zn	Co
OHIO RIVER (continued)																							
at Huntington, West Virginia	9-1-58	10-27-58	0.07	0.34	2.6	23.0	0.01*	0.01 *	0.7	0.0002 *	0.02 *	0.003*	0.007*	0.03 *	0.03	0.007	0.007*	0.02 *	0.007*	0.007*	0.3	-	0.007*
	4-6-59	5-25-59	0.04	0.13	1.7	10.0	0.01*	0.01 *	0.03	0.0002 *	0.02 *	0.003*	0.007*	0.03 *	0.01 *	0.007	0.007*	0.02 *	0.007*	0.007*	0.007	-	0.007*
at East Liverpool, Ohio	9-22-58	12-29-58	0.05	0.33	2.6	16.0	0.01*	0.008*	0.06	0.0001 *	0.01 *	0.003*	0.005*	0.03 *	0.01 *	0.05	0.01	0.01 *	0.005*	0.005*	0.01	1 *	0.005*
	4-6-59	6-1-59	0.04	0.22	1.7	10.0	0.01*	0.008*	0.75	0.0001 *	0.02	0.003*	0.005*	0.03 *	0.01 *	0.02	0.005	0.01 *	.005*	0.005*	0.001	1 *	0.005*
POTOMAC RIVER																							
at Great Falls, Maryland	9-1-58	10-20-58	0.04	0.15	2.5	12.9	0.01*	0.005*	0.05	0.00008*	0.008*	0.002	0.003*	0.02 *	0.007*	0.03	0.003*	0.008*	0.003*	0.003*	0.008	0.8*	0.003*
	4-6-58	5-25-59	0.03	0.09	1.2	4.5	0.01*	0.005*	0.01	0.00008*	-	0.002*	0.003*	0.02 *	0.007*	0.03	0.003*	0.008*	0.003*	0.003*	0.003	0.8*	0.003*
at Williamsport, Maryland	9-8-58	11-3-58	0.09	0.21	1.8	12.0	0.01*	0.005*	0.1	0.00008*	0.008*	0.003	0.003*	0.02 *	0.007*	0.03	0.003*	0.008*	0.003*	0.003*	0.008	0.8*	0.003*
	4-6-59	5-25-59	0.00	0.07	1.2	4.6	0.01*	0.005*	0.02	0.00008*	0.008*	0.002*	0.003*	0.02 *	0.007*	0.005	0.003	0.008*	0.003*	0.003*	0.005	0.8*	0.003*
RED RIVER																							
at Alexandria, La.	9-1-58	10-27-58	0.08	0.24	2.8	40.0	0.01*	0.01 *	0.1	0.0002 *	0.02 *	0.004*	0.008*	0.04 *	0.02 *	0.008	0.008*	0.02 *	0.008*	0.008*	0.02	-	0.008*
	4-6-59	6-15-59	0.04	0.07	2.3	39.0	0.01*	0.01 *	0.03	0.0002 *	0.02 *	0.004*	0.008*	0.04 *	0.02 *	0.2	0.008*	0.02 *	0.008*	0.004*	0.002	-	0.008*
at Denison, Texas	9-1-58	10-20-58	0.12	0.32	4.5	240	0.01*	0.03 *	0.2	0.0005 *	0.05 *	0.01 *	0.02 *	0.10 *	0.04 *	0.02*	0.02 *	0.05 *	0.02 *	0.02 *	0.01	-	0.02 *
	4-6-59	5-25-59	0.10	0.57	5.2	272	0.01*	0.03 *	0.02	0.0005 *	0.05 *	0.01 *	0.04	0.10 *	0.04 *	0.02*	0.02 *	0.05 *	0.02 *	0.02 *	0.02	-	0.02 *
RIO GRANDE																							
at Laredo, Texas	9-1-58	10-20-58	0.10	0.71	4.0	43.0	0.01*	0.02 *	0.2	0.0003 *	0.03 *	0.01 *	0.01 *	0.01 *	0.02	0.3	0.01 *	0.03 *	0.01	0.01 *	0.01	-	0.01 *
	3-30-59	5-18-59	0.12	0.59	3.5	114	0.01*	0.02 *	0.03	0.0003 *	0.03 *	0.006*	0.01 *	0.06 *	0.02 *	0.02	0.01 *	0.03 *	0.01	0.01 *	0.002*	-	0.01 *
at El Paso, Texas	9-1-58	10-27-58	0.16	0.69	7.7	180	0.01*	0.03 *	0.5	0.0005 *	0.05 *	0.01 *	0.02 *	0.10 *	0.04 *	0.02	0.02 *	0.05 *	0.02 *	0.02 *	0.003*	-	0.02 *
	4-6-59	5-25-59	0.15	0.57	8.1	156	0.01*	0.03 *	0.02*	0.0005 *	0.05 *	0.009*	0.02 *	0.09 *	0.04 *	0.04	0.02 *	0.05 *	0.02	0.02 *	0.003*	- .	0.02 *
SAVANNAH RIVER																							
at Port Wentworth, Georgia	9-1-58	10-27-58	0.20	0.22	18.2[a]	520[a]	0.01*	0.06 *	0.04	0.001 *	0.1 *	0.02 *	0.04 *	0.2 *	0.08 *	0.04*	0.04 *	0.1 *	0.04 *	0.04 *	0.01	-	0.04 *
	4-6-59	6-1-59	0.03	0.08	0.6	6.2	0.01*	0.06 *	0.04*	0.001 *	0.1 *	0.02 *	0.04 *	0.2 *	0.08 *	1.0	0.04 *	0.1 *	0.04 *	0.04 *	0.006*	-	0.04 *
at North Augusta, South Carolina	9-1-58	10-27-58	0.03	0.20	1.5	4.3	0.01*	0.002*	0.02	0.00003*	0.003*	0.006*	0.001*	0.006*	0.04	0.2	0.001*	0.003*	0.001*	0.001	0.[illegible]	0.3*	0.001*
	4-6-59	5-25-59	0.01	0.00	0.6	4.7	0.01*	0.002*	0.001	0.00003*	0.003*	0.002	0.001*	0.006*	0.003	0.5	0.004*	0.003*	0.001*	0.001*	0.[illegible]	0.3*	0.001*
SNAKE RIVER																							
at Wawawai, Washington	9-1-58	10-20-58	0.09	0.53	3.0	33.0	0.01*	0.004*	0.01	0.00006*	0.006*	0.001*	0.002*	0.01 *	0.005*	0.02	0.002*	0.006*	0.002	0.00[illegible]	0.005	0.6*	0.002*
	4-6-59	5-25-59	0.03	0.20	1.2	7.8	0.01*	0.004*	0.004	0.00006*	0.006*	0.001*	0.002*	0.01 *	0.005*	0.05	0.002*	0.006*	0.004	0.002*	0.004	0.6*	0.002*
at Weiser, Idaho	9-1-58	10-20-58	0.12	0.66	4.5	90.0	0.01*	0.01 *	0.07	0.0002 *	-	0.004*	0.007*	0.04 *	0.01 *	0.01	0.007*	0.02 *	0.00[illegible]	0.007*	0.01	0.2*	0.007*
	3-30-59	5-25-59	0.06	0.56	3.5	34.0	0.01*	0.01 *	0.007	0.0002 *	-	0.004*	0.007*	0.04 *	0.01 *	0.01	0.007*	0.02 *	0.01	0.007*	0.007	-	0.007*
TENNESSEE RIVER																							
at Chattanooga, Tennessee	9-1-58	10-27-58	0.04	0.23	1.2	9.4	0.01*	0.004*	0.04	0.00006*	0.006*	0.001*	0.002*	0.01 *	0.005*	0.01	0.002*	0.006*	0.002*	0.002*	0.01	0.6*	0.002*
	4-6-59	5-25-59	0.02	0.05	1.2	5.2	0.01*	0.004*	0.01	0.00006*	0.006*	0.001*	0.002*	0.01 *	0.005*	0.01	0.002*	0.006*	0.002*	0.002*	0.008	0.6*	0.002*
YELLOWSTONE RIVER																							
at Sidney, Montana	4-6-59	5-25-59	0.16	0.37	4.1	95.0	0.01*	0.008*	0.03	0.0001*	0.01 *	0.003*	0.009*	0.03 *	0.01 *	0.08	0.005*	0.01 *	0.005	0.005*	0.003	1 *	0.005*

* ACTUAL VALUE IS LESS THAN THE AMOUNT SHOWN. REPORTED RESULT INDICATES LIMIT OF SENSITIVITY AT WHICH TEST WAS PERFORMED. SEE PAGE 8 OF TEXT FOR EXPLANATION

(a) HIGH VALUES PROBABLY DUE TO EFFECT OF SEA WATER

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